



## ANALYTICAL DATA REPORT

JMC Environmental Consultants  
2109 Bridge Avenue  
Building B  
Point Pleasant, NJ 08742

Project Name: **ARSYNCO**  
IAL Case Number: **E12-08167**

These data have been reviewed and accepted by:

A handwritten signature in black ink, appearing to read "Michael H. Lefson".

Michael H. Lefson, Ph.D.  
Laboratory Director

This report shall not be reproduced, except in its entirety, without the written consent of  
Integrated Analytical Laboratories, LLC. The test results included in this report relate  
only to the samples analyzed.

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273 Franklin Road  
Randolph, NJ 07869  
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IAL is a NELAC New Jersey Certified Lab (14751) and maintains certification in Connecticut (PH-0699), New York (11402), Rhode Island (00126), Pennsylvania (68-00773) and in the Department of Navy IR QA Program.

# Sample Summary

**IAL Case No.**

**E12-08167**

**Client** JMC Environmental Consultants

**Project** ARSYNCO

**Received On** 8/10/2012@18:00

<u>Lab ID</u>	<u>Client Sample ID</u>	<u>Depth Top/Bottom</u>	<u>Sampling Time</u>	<u>Matrix</u>	<u># of Container</u>
08167-001	Y-40(5.0-5.5)	5/5.5	8/10/2012@08:50	Soil	1
08167-002	Y-40(5.5-6.0)	5.5/6	8/10/2012@08:51	Soil	1
08167-003	Y-40(6.0-6.5)	6/6.5	8/10/2012@08:52	Soil	1
08167-004	Y-40(7.0-7.5)	7/7.5	8/10/2012@08:53	Soil	1
08167-005	Z-41(5.5-6.0)	5.5/6	8/10/2012@10:02	Soil	1
08167-006	Z-41(6.0-6.5)	6/6.5	8/10/2012@10:03	Soil	1
08167-007	Z-41(7.0-7.5)	7/7.5	8/10/2012@10:04	Soil	1
08167-008	Z-40(5.5-6.0)	5.5/6	8/10/2012@09:16	Soil	1
08167-009	Z-40(6.0-6.5)	6/6.5	8/10/2012@09:17	Soil	1
08167-010	Z-40(7.0-7.5)	7/7.5	8/10/2012@09:18	Soil	1
08167-011	Z-38(5.5-6.0)	5.5/6	8/10/2012@09:38	Soil	1
08167-012	Z-38(6.0-6.5)	6/6.5	8/10/2012@09:39	Soil	1
08167-013	Z-38(7.0-7.5)	7/7.5	8/10/2012@09:40	Soil	1
08167-014	N-44(5.0-5.5)	5/5.5	8/10/2012@10:45	Soil	1
08167-015	N-44(5.5-6.0)	5.5/6	8/10/2012@10:46	Soil	1
08167-016	N-44(6.0-6.5)	6/6.5	8/10/2012@10:47	Soil	1
08167-017	N-44(7.0-7.5)	7/7.5	8/10/2012@10:48	Soil	1
08167-018	K-39(5.0-5.5)	5/5.5	8/10/2012@11:15	Soil	1
08167-019	K-39(6.0-6.5)	6/6.5	8/10/2012@11:16	Soil	1
08167-020	K-39(7.0-7.5)	7/7.5	8/10/2012@11:17	Soil	1
08167-021	I-38(5.0-5.5)	5/5.5	8/10/2012@11:38	Soil	1
08167-022	I-38(6.0-6.5)	6/6.5	8/10/2012@11:39	Soil	1
08167-023	I-38(7.0-7.5)	7/7.5	8/10/2012@11:40	Soil	1
08167-024	Y-33(0-2.0)	0/2	8/10/2012@12:57	Soil	1
08167-025	Y-33(2.0-2.5)	2/2.5	8/10/2012@12:58	Soil	1
08167-026	Y-33(2.5-3.0)	2.5/3	8/10/2012@12:59	Soil	1
08167-027	Y-33(3.25-4.0)	3.25/4	8/10/2012@13:00	Soil	1
08167-028	Y-33(4.25-6.0)	4.25/6	8/10/2012@13:01	Soil	1
08167-029	R-17(0-2.0)	0/2	8/10/2012@13:45	Soil	1
08167-030	R-17(2.0-4.0)	2/4	8/10/2012@13:46	Soil	1
08167-031	R-17(4.0-5.0)	4/5	8/10/2012@13:47	Soil	1
08167-032	R-17(5.0-6.0)	5/6	8/10/2012@13:48	Soil	1
08167-033	Q-17(0-2.0)	0/2	8/10/2012@14:03	Soil	1
08167-034	Q-17(2.0-3.75)	2/3.75	8/10/2012@14:04	Soil	1
08167-035	Q-17(4.0-4.5)	4/4.5	8/10/2012@14:05	Soil	1
08167-036	Q-17(4.5-6.0)	4.5/6	8/10/2012@14:06	Soil	1
08167-037	P-17(0-2.0)	0/2	8/10/2012@14:35	Soil	1
08167-038	P-17(2.0-4.0)	2/4	8/10/2012@14:36	Soil	1
08167-039	P-17(4.0-6.0)	4/6	8/10/2012@14:37	Soil	1
08167-040	FB-30	n/a	8/10/2012@14:40	Aqueous	2

# INTEGRATED ANALYTICAL LABORATORIES, LLC.

## TABLE OF CONTENTS

	<u>Page</u>
<b>Qualifiers</b>	1
<b>Conformance / NonConformance Summaries</b>	2
<b>Results Summary Report</b>	8
<b>Analytical Results</b>	13
PCBs	14
Methodology Summary *	
PCBs	47
PCBs QC Summary	48
Surrogate Percent Recovery Summary	
LCS, MS/MSD Recovery Summary	
Method Blank Summary	
Initial Calibration Report	
Continuing Calibration Report	
Retention Time Shift Summary	
PCBs Sample Data	93
Sample Quant Report and Chromatogram	
Method Blank Results	
Method Blank Quant Report and Chromatogram	
Sample Tracking	172
Chains of Custody	
Project Information	
Sample Receipt Verification	
Laboratory Chronicle	
Last Page of the Report	182

This report was finalized on September 04, 2012

\* Methodology is included in the IAL Project Information Page

# INTEGRATED ANALYTICAL LABORATORIES, LLC.

## DEFINITIONS / QUALIFIERS

### DATA QUALIFIERS

- B Indicates the analyte was found in the associated method blank as well as in the sample.  
It indicates probable laboratory contamination.
- C Indicates analyte is a common laboratory contaminant.
- D Indicated analyte was reported from diluted analysis.
- E Identifies a compound concentration that exceeds the upper level of the calibration range of the instrument for that specific analysis.
- J Indicates an estimated value. This flag is used when the concentration in the sample is below the RL but above the MDL.

### REPORTING DEFINITIONS

RL Reporting Limit. The RL is determined by the lowest concentration in the calibration curve. For most Wet Chemistry methods, the RL is defined by using the PQL.

MDL Method Detection Limit as determined according to 40CFR Part 136 Appendix B.

PQL Practical Quantitation Limit. Usually defined as a value 3-5 times the MDL.

ND Indicates analyte was analyzed for but not detected above the MDL.

DF Dilution Factor

LCS Laboratory Control Sample

LCSD Laboratory Control Sample Duplicate

MS Matrix Spike

MSD Matrix Spike Duplicate

DUP Duplicate

**CONFORMANCE / NON-CONFORMANCE SUMMARIES**

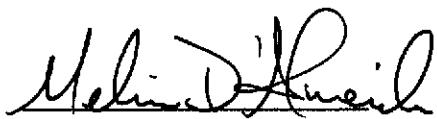
**INTEGRATED ANALYTICAL LABORATORIES, LLC.**

**CONFORMANCE / NONCONFORMANCE SUMMARY**

Integrated Analytical Laboratories, LLC. received one (1) aqueous and thirty-nine (39) soil sample(s) from JMC Environmental Consultants (IAL SDG # E12-08167, Project: ARSYNCO) on August 10, 2012 for the analysis of:

(40) TCL PCB

A review of the QA/QC measures for the analysis of the sample(s) contained in this report has been performed by:



Reviewed by

9/4/12

Date

**INTEGRATED ANALYTICAL LABORATORIES**  
**CONFORMANCE/NONCONFORMANCE SUMMARY**  
**GC ANALYSIS - PCB'S**

Lab Case Number: E12- 08167

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Standards Summary submitted.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 12 hrs of the sample analysis.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Blank Contamination - If yes, list compounds and concentrations in each blank:	<input checked="" type="checkbox"/>	
<hr/>		
5. Surrogate Recoveries meet criteria (if applicable). If not met, list those compounds and their recoveries which fall outside the acceptable range:	<input checked="" type="checkbox"/>	
<u>08167#001,014 surrogate diluted out</u>		
6. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)	<input type="checkbox"/>	
acceptable range:	<input type="checkbox"/>	
<hr/>		
7. Retention Time Shift Meet Criteria (if applicable).	<input type="checkbox"/>	
8. Extraction Holding Time Met. If not met, list number of days exceeded for each sample:	<input checked="" type="checkbox"/>	
<hr/> <hr/>		
9. Analysis Holding Time Met. If not met, list number of days exceeded for each sample:	<input checked="" type="checkbox"/>	
<hr/> <hr/>		
Comments:	<u>please see next page</u>	
<hr/> <hr/>		

  
Organic Manager

08-27-12  
Date

**INTEGRATED ANALYTICAL LABORATORIES  
CONFORMANCE/NONCONFORMANCE SUMMARY  
GC ANALYSIS - PCB'S, PESTICIDES, HERBICIDES**

#### **Additional comments for GC analytical results**

Client/ Project: JMC / ARSYNCO  
IAL Case Number: E12 - 08161

GC Analysis: PCB'S X

(check box for correct analysis)

As per EPA Method SW-846 8000C Section 11.10.4, the following samples are being reported with compound results that are significantly higher (> 40%) difference between primary and secondary column quantitations:

08167# 014

This exceedence is caused by sample matrix interference in the analytical run.

**INTEGRATED ANALYTICAL LABORATORIES**  
**CONFORMANCE/NONCONFORMANCE SUMMARY**  
**GC ANALYSIS - PCB'S**

Lab Case Number: E12-0816#

- |  | No                                  | Yes                                 |
|--|-------------------------------------|-------------------------------------|
| 1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2. Standards Summary submitted.  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 3. Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 12 hrs of the sample analysis.                  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 4. Blank Contamination - If yes, list compounds and concentrations in each blank:  | <input checked="" type="checkbox"/> |                                     |
| <hr/>  |                                     |                                     |
| 5. Surrogate Recoveries meet criteria (if applicable).<br>If not met, list those compounds and their recoveries which fall outside the acceptable range:                         | <input checked="" type="checkbox"/> |                                     |
| <u>0816# 25, 24, 26, 30, 31, 33, 35, 34, 38 surrogate diluted out</u>  |                                     |                                     |
| 6. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range) acceptable range: | <input type="checkbox"/>            |                                     |
| <u>US/MSD failed criteria due to matrix interference</u>   |                                     |                                     |
| 7. Retention Time Shift Meet Criteria (if applicable).   | <input type="checkbox"/>            |                                     |
| 8. Extraction Holding Time Met.<br>If not met, list number of days exceeded for each sample:   | <input checked="" type="checkbox"/> |                                     |
| <hr/> <hr/>  |                                     |                                     |
| 9. Analysis Holding Time Met.<br>If not met, list number of days exceeded for each sample:   | <input checked="" type="checkbox"/> |                                     |
| <hr/> <hr/>  |                                     |                                     |

Comments:

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Organic Manager

08-27-12

Date

**INTEGRATED ANALYTICAL LABORATORIES**  
**CONFORMANCE/NONCONFORMANCE SUMMARY**  
**GC ANALYSIS - PCB'S**

Lab Case Number: E12-08167

- |  | No                                  | Yes                                 |
|--|-------------------------------------|-------------------------------------|
| 1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2. Standards Summary submitted.  | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3. Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 12 hrs of the sample analysis.                  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 4. Blank Contamination - If yes, list compounds and concentrations in each blank:  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| <hr/>  |                                     |                                     |
| 5. Surrogate Recoveries meet criteria (if applicable).<br>If not met, list those compounds and their recoveries which fall outside the acceptable range:                         | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <hr/>  |                                     |                                     |
| 6. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range) acceptable range: | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <hr/>  |                                     |                                     |
| 7. Retention Time Shift Meet Criteria (if applicable).   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 8. Extraction Holding Time Met.<br>If not met, list number of days exceeded for each sample:   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <hr/> <hr/>  |                                     |                                     |
| 9. Analysis Holding Time Met.<br>If not met, list number of days exceeded for each sample:   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| <hr/> <hr/>  |                                     |                                     |

Comments:

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Organic Manager

08-23-12  
Date

## **RESULTS SUMMARY REPORT**

## **INTEGRATED ANALYTICAL LABORATORIES, LLC.**

## SUMMARY REPORT

**Client: JMC Environmental Consultants  
Project: ARSYNCO  
Lab Case No.: E12-08167**

Lab ID:	08167-040				
Client ID:	FB-30				
Matrix:	Aqueous				
Sampled Date	8/10/12				
PARAMETER(Units)	Conc Q MDL				
PCB's (Units)	(mg/L-ppm)				
Aroclor-1016	ND	0.00002			
Aroclor-1221	ND	0.00002			
Aroclor-1232	ND	0.00002			
Aroclor-1242	ND	0.00002			
Aroclor-1248	ND	0.00002			
Aroclor-1254	ND	0.00002			
Aroclor-1260	ND	0.00002			
Aroclor-1262	ND	0.00002			
Aroclor-1268	ND	0.00002			
PCBs	ND	0.00002			
Lab ID:	08167-001	08167-002	08167-003	08167-004	
Client ID:	Y-40(5.0-5.5)	Y-40(5.5-6.0)	Y-40(6.0-6.5)	Y-40(7.0-7.5)	
Depth:	5/5.5	5.5/6	6/6.5	7/7.5	
Matrix:	Soil	Soil	Soil	Soil	
Sampled Date	8/10/12	8/10/12	8/10/12	8/10/12	
PARAMETER(Units)	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	
PCB's (Units)	(mg/Kg-ppm)	(mg/Kg-ppm)	(mg/Kg-ppm)	(mg/Kg-ppm)	
Aroclor-1016	ND	39.6	ND	0.019	~ ~
Aroclor-1221	ND	39.6	ND	0.019	~ ~
Aroclor-1232	ND	39.6	ND	0.019	~ ~
Aroclor-1242	ND	39.6	ND	0.019	~ ~
Aroclor-1248	ND	39.6	ND	0.019	~ ~
Aroclor-1254	ND	39.6	ND	0.019	~ ~
Aroclor-1260	367	39.6	0.286	0.019	~ ~
Aroclor-1262	ND	39.6	ND	0.019	~ ~
Aroclor-1268	ND	39.6	ND	0.019	~ ~
PCBs	367	39.6	0.286	0.019	~ ~
Lab ID:	08167-005	08167-006	08167-007	08167-008	
Client ID:	Z-41(5.5-6.0)	Z-41(6.0-6.5)	Z-41(7.0-7.5)	Z-40(5.5-6.0)	
Depth:	5.5/6	6/6.5	7/7.5	5.5/6	
Matrix:	Soil	Soil	Soil	Soil	
Sampled Date	8/10/12	8/10/12	8/10/12	8/10/12	
PARAMETER(Units)	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	
PCB's (Units)	(mg/Kg-ppm)	(mg/Kg-ppm)	(mg/Kg-ppm)	(mg/Kg-ppm)	
Aroclor-1016	ND	0.020	ND	0.018	~ ~ ND 0.018
Aroclor-1221	ND	0.020	ND	0.018	~ ~ ND 0.018
Aroclor-1232	ND	0.020	ND	0.018	~ ~ ND 0.018
Aroclor-1242	ND	0.020	ND	0.018	~ ~ ND 0.018
Aroclor-1248	0.288	0.020	0.062	0.018	~ ~ ND 0.018
Aroclor-1254	ND	0.020	ND	0.018	~ ~ ND 0.018
Aroclor-1260	ND	0.020	ND	0.018	~ ~ ND 0.018
Aroclor-1262	ND	0.020	ND	0.018	~ ~ ND 0.018
Aroclor-1268	ND	0.020	ND	0.018	~ ~ ND 0.018
PCBs	0.288	0.020	ND	0.018	~ ~ ND 0.018

ND = Analyzed for but Not Detected at the MDL

\*Sample not analyzed for

E12-08167

0009

**INTEGRATED ANALYTICAL LABORATORIES, LLC.**

**SUMMARY REPORT**  
**Client: JMC Environmental Consultants**  
**Project: ARSYNCO**  
**Lab Case No.: E12-08167**

PARAMETER(Units)	Lab ID:	08167-009	08167-010	08167-011	08167-012	
	Client ID:	Z-40(6.0-6.5)	Z-40(7.0-7.5)	Z-38(5.5-6.0)	Z-38(6.0-6.5)	
	Depth:	6/6.5	7/7.5	5.5/6	6/6.5	
	Matrix:	Soil	Soil	Soil	Soil	
	Sampled Date	8/10/12	8/10/12	8/10/12	8/10/12	
	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	
<b>PCB's (Units)</b>	<i>(mg/Kg-ppm)</i>		<i>(mg/Kg-ppm)</i>		<i>(mg/Kg-ppm)</i>	
Aroclor-1016	ND	0.019	~	~	ND	0.019
Aroclor-1221	ND	0.019	~	~	ND	0.019
Aroclor-1232	ND	0.019	~	~	ND	0.019
Aroclor-1242	ND	0.019	~	~	ND	0.019
Aroclor-1248	ND	0.019	~	~	ND	0.019
Aroclor-1254	ND	0.019	~	~	ND	0.019
Aroclor-1260	ND	0.019	~	~	ND	0.019
Aroclor-1262	ND	0.019	~	~	ND	0.019
Aroclor-1268	ND	0.019	~	~	ND	0.019
PCBs	ND	0.019	~	~	ND	0.019
PARAMETER(Units)	Lab ID:	08167-013	08167-014	08167-015	08167-016	
	Client ID:	Z-38(7.0-7.5)	N-44(5.0-5.5)	N-44(5.5-6.0)	N-44(6.0-6.5)	
	Depth:	7/7.5	5/5.5	5.5/6	6/6.5	
	Matrix:	Soil	Soil	Soil	Soil	
	Sampled Date	8/10/12	8/10/12	8/10/12	8/10/12	
	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	
<b>PCB's (Units)</b>	<i>(mg/Kg-ppm)</i>		<i>(mg/Kg-ppm)</i>		<i>(mg/Kg-ppm)</i>	
Aroclor-1016	~	~	ND	1.86	ND	0.183
Aroclor-1221	~	~	ND	1.86	ND	0.183
Aroclor-1232	~	~	ND	1.86	ND	0.183
Aroclor-1242	~	~	ND	1.86	ND	0.183
Aroclor-1248	~	~	83.4	1.86	15.9	0.183
Aroclor-1254	~	~	ND	1.86	ND	0.183
Aroclor-1260	~	~	ND	1.86	ND	0.183
Aroclor-1262	~	~	ND	1.86	ND	0.183
Aroclor-1268	~	~	ND	1.86	ND	0.183
PCBs	~	~	83.4	1.86	15.9	0.183
PARAMETER(Units)	Lab ID:	08167-017	08167-018	08167-019	08167-020	
	Client ID:	N-44(7.0-7.5)	K-39(5.0-5.5)	K-39(6.0-6.5)	K-39(7.0-7.5)	
	Depth:	7/7.5	5/5.5	6/6.5	7/7.5	
	Matrix:	Soil	Soil	Soil	Soil	
	Sampled Date	8/10/12	8/10/12	8/10/12	8/10/12	
	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	
<b>PCB's (Units)</b>	<i>(mg/Kg-ppm)</i>		<i>(mg/Kg-ppm)</i>		<i>(mg/Kg-ppm)</i>	
Aroclor-1016	~	~	ND	0.019	ND	0.019
Aroclor-1221	~	~	ND	0.019	ND	0.019
Aroclor-1232	~	~	ND	0.019	ND	0.019
Aroclor-1242	~	~	ND	0.019	ND	0.019
Aroclor-1248	~	~	1.01	0.019	0.327	0.019
Aroclor-1254	~	~	ND	0.019	ND	0.019
Aroclor-1260	~	~	ND	0.019	ND	0.019
Aroclor-1262	~	~	ND	0.019	ND	0.019
Aroclor-1268	~	~	ND	0.019	ND	0.019
PCBs	~	~	1.01	0.019	0.327	0.019

ND = Analyzed for but Not Detected at the MDL

\*Sample not analyzed for

E12-08167

0010

**INTEGRATED ANALYTICAL LABORATORIES, LLC.**

**SUMMARY REPORT**  
**Client: JMC Environmental Consultants**  
**Project: ARSYNCO**  
**Lab Case No.: E12-08167**

PARAMETER(Units)	Lab ID:	08167-021	08167-022	08167-023	08167-024
	Client ID:	I-38(5.0-5.5)	I-38(6.0-6.5)	I-38(7.0-7.5)	Y-33(0-2.0)
	Depth:	5/5.5	6/6.5	7/7.5	0/2
	Matrix:	Soil	Soil	Soil	Soil
Sampled Date	8/10/12	8/10/12	8/10/12	8/10/12	8/10/12
Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
PCB's (Units)	(mg/Kg-ppm)	(mg/Kg-ppm)	(mg/Kg-ppm)	(mg/Kg-ppm)	(mg/Kg-ppm)
Aroclor-1016	ND 0.020	ND 0.019	~ ~	ND	16.1
Aroclor-1221	ND 0.020	ND 0.019	~ ~	ND	16.1
Aroclor-1232	ND 0.020	ND 0.019	~ ~	ND	16.1
Aroclor-1242	ND 0.020	ND 0.019	~ ~	ND	16.1
Aroclor-1248	ND 0.020	ND 0.019	~ ~	ND	16.1
Aroclor-1254	ND 0.020	ND 0.019	~ ~	ND	16.1
Aroclor-1260	ND 0.020	ND 0.019	~ ~	1950	16.1
Aroclor-1262	ND 0.020	ND 0.019	~ ~	ND	16.1
Aroclor-1268	ND 0.020	ND 0.019	~ ~	ND	16.1
PCBs	ND 0.020	ND 0.019	~ ~	1950	16.1
Sampled Date	Lab ID:	08167-025	08167-026	08167-027	08167-028
Conc Q MDL	Client ID:	Y-33(2.0-2.5)	Y-33(2.5-3.0)	Y-33(3.25-4.0)	Y-33(4.25-6.0)
Depth:	Matrix:	2/2.5	2.5/3	3.25/4	4.25/6
Conc Q MDL	Soil	Soil	Soil	Soil	Soil
PCBs	8/10/12	8/10/12	8/10/12	8/10/12	8/10/12
Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
PCB's (Units)	(mg/Kg-ppm)	(mg/Kg-ppm)	(mg/Kg-ppm)	(mg/Kg-ppm)	(mg/Kg-ppm)
Aroclor-1016	ND 2.55	ND 2.47	ND 0.085	ND	0.019
Aroclor-1221	ND 2.55	ND 2.47	ND 0.085	ND	0.019
Aroclor-1232	ND 2.55	ND 2.47	ND 0.085	ND	0.019
Aroclor-1242	ND 2.55	ND 2.47	ND 0.085	ND	0.019
Aroclor-1248	ND 2.55	ND 2.47	0.471 0.085	ND	0.019
Aroclor-1254	88.7 2.55	ND 2.47	ND 0.085	ND	0.019
Aroclor-1260	ND 2.55	ND 2.47	ND 0.085	ND	0.019
Aroclor-1262	109 2.55	ND 2.47	ND 0.085	ND	0.019
Aroclor-1268	ND 2.55	ND 2.47	ND 0.085	ND	0.019
PCBs	198 2.55	ND 2.47	0.471 0.085	ND	0.019
Sampled Date	Lab ID:	08167-029	08167-030	08167-031	08167-032
Conc Q MDL	Client ID:	R-17(0-2.0)	R-17(2.0-4.0)	R-17(4.0-5.0)	R-17(5.0-6.0)
Depth:	Matrix:	0/2	2/4	4/5	5/6
Conc Q MDL	Soil	Soil	Soil	Soil	Soil
PCBs	8/10/12	8/10/12	8/10/12	8/10/12	8/10/12
Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
PCB's (Units)	(mg/Kg-ppm)	(mg/Kg-ppm)	(mg/Kg-ppm)	(mg/Kg-ppm)	(mg/Kg-ppm)
Aroclor-1016	ND 0.016	ND 16.7	ND 16.9	ND	0.176
Aroclor-1221	ND 0.016	ND 16.7	ND 16.9	ND	0.176
Aroclor-1232	ND 0.016	ND 16.7	ND 16.9	ND	0.176
Aroclor-1242	ND 0.016	ND 16.7	ND 16.9	ND	0.176
Aroclor-1248	3.36 0.016	1760 16.7	2270 16.9	16.7	0.176
Aroclor-1254	ND 0.016	ND 16.7	ND 16.9	ND	0.176
Aroclor-1260	ND 0.016	ND 16.7	ND 16.9	ND	0.176
Aroclor-1262	ND 0.016	ND 16.7	ND 16.9	ND	0.176
Aroclor-1268	ND 0.016	ND 16.7	ND 16.9	ND	0.176
PCBs	3.36 0.016	1760 16.7	2270 16.9	16.7	0.176

ND = Analyzed for but Not Detected at the MDL

\*Sample not analyzed for

E12-08167

0011

**INTEGRATED ANALYTICAL LABORATORIES, LLC.**

**SUMMARY REPORT**  
**Client: JMC Environmental Consultants**  
**Project: ARSYNCO**  
**Lab Case No.: E12-08167**

	Lab ID:	08167-033	08167-034	08167-035	08167-036
	Client ID:	Q-17(0-2.0)	Q-17(2.0-3.75)	Q-17(4.0-4.5)	Q-17(4.5-6.0)
	Depth:	0/2	2/3.75	4/4.5	4.5/6
	Matrix:	Soil	Soil	Soil	Soil
	Sampled Date	8/10/12	8/10/12	8/10/12	8/10/12
PARAMETER(Units)		Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
PCB's (Units)		(mg/Kg-ppm)	(mg/Kg-ppm)	(mg/Kg-ppm)	(mg/Kg-ppm)
Aroclor-1016		ND	18.1	ND	91.7
Aroclor-1221		ND	18.1	ND	91.7
Aroclor-1232		ND	18.1	ND	91.7
Aroclor-1242		ND	18.1	ND	91.7
Aroclor-1248		4680	18.1	17300	91.7
Aroclor-1254		ND	18.1	ND	91.7
Aroclor-1260		ND	18.1	ND	91.7
Aroclor-1262		ND	18.1	ND	91.7
Aroclor-1268		ND	18.1	ND	91.7
PCBs		4680	18.1	17300	91.7
	Lab ID:	08167-037	08167-038	08167-039	
	Client ID:	P-17(0-2.0)	P-17(2.0-4.0)	P-17(4.0-6.0)	
	Depth:	0/2	2/4	4/6	
	Matrix:	Soil	Soil	Soil	
	Sampled Date	8/10/12	8/10/12	8/10/12	
PARAMETER(Units)		Conc Q MDL	Conc Q MDL	Conc Q MDL	
PCB's (Units)		(mg/Kg-ppm)	(mg/Kg-ppm)	(mg/Kg-ppm)	
Aroclor-1016		ND	0.207	ND	102
Aroclor-1221		ND	0.207	ND	102
Aroclor-1232		ND	0.207	ND	102
Aroclor-1242		ND	0.207	ND	102
Aroclor-1248		89.0	0.207	7330	102
Aroclor-1254		ND	0.207	ND	102
Aroclor-1260		ND	0.207	ND	102
Aroclor-1262		ND	0.207	ND	102
Aroclor-1268		ND	0.207	ND	102
PCBs		89.0	0.207	7330	102
				7.62	0.018

ND = Analyzed for but Not Detected at the MDL

\*Sample not analyzed for

## **ANALYTICAL RESULTS**

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08167-001  
Client ID: Y-40(5.0-5)  
Date Received: 08/10/2012  
Date Extracted: 08/14/2012  
Date Analyzed: 08/19/2012  
Data file: Y0839.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.05g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 1000  
% Moisture: 60.0

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		99.0	39.6
Aroclor-1221	ND		99.0	39.6
Aroclor-1232	ND		99.0	39.6
Aroclor-1242	ND		99.0	39.6
Aroclor-1248	ND		99.0	39.6
Aroclor-1254	ND		99.0	39.6
Aroclor-1260	367		99.0	39.6
Aroclor-1262	ND		99.0	39.6
Aroclor-1268	ND		99.0	39.6
PCBs	367		99.0	39.6

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08167-002  
Client ID: Y-40(5.5-6)  
Date Received: 08/10/2012  
Date Extracted: 08/14/2012  
Date Analyzed: 08/19/2012  
Data file: Y0840.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.72g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 1  
% Moisture: 19.8

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.044	0.017
Aroclor-1221	ND		0.044	0.017
Aroclor-1232	ND		0.044	0.017
Aroclor-1242	ND		0.044	0.017
Aroclor-1248	ND		0.044	0.017
Aroclor-1254	ND		0.044	0.017
Aroclor-1260	0.286		0.044	0.017
Aroclor-1262	ND		0.044	0.017
Aroclor-1268	ND		0.044	0.017
PCBs	0.286		0.044	0.017

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08167-003  
Client ID: Y-40(6.0-6)  
Date Received: 08/10/2012  
Date Extracted: 08/14/2012  
Date Analyzed: 08/19/2012  
Data file: Y0841.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.27g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 1  
% Moisture: 21.6

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.048	0.019
Aroclor-1221	ND		0.048	0.019
Aroclor-1232	ND		0.048	0.019
Aroclor-1242	ND		0.048	0.019
Aroclor-1248	ND		0.048	0.019
Aroclor-1254	ND		0.048	0.019
Aroclor-1260	ND		0.048	0.019
Aroclor-1262	ND		0.048	0.019
Aroclor-1268	ND		0.048	0.019
PCBs	ND		0.048	0.019

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08167-005

Client ID: Z-41(5.5-6)

Date Received: 08/10/2012

Date Extracted: 08/14/2012

Date Analyzed: 08/19/2012

Data file: Y0843.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.50g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 25.9

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.049	0.020
Aroclor-1221	ND		0.049	0.020
Aroclor-1232	ND		0.049	0.020
Aroclor-1242	ND		0.049	0.020
Aroclor-1248	0.288		0.049	0.020
Aroclor-1254	ND		0.049	0.020
Aroclor-1260	ND		0.049	0.020
Aroclor-1262	ND		0.049	0.020
Aroclor-1268	ND		0.049	0.020
PCBs	0.288		0.049	0.020

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08167-006

Client ID: Z-41(6.0-6)

Date Received: 08/10/2012

Date Extracted: 08/14/2012

Date Analyzed: 08/19/2012

Data file: Y0844.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.76g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 22.5

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.045	0.018
Aroclor-1221	ND		0.045	0.018
Aroclor-1232	ND		0.045	0.018
Aroclor-1242	ND		0.045	0.018
Aroclor-1248	0.062		0.045	0.018
Aroclor-1254	ND		0.045	0.018
Aroclor-1260	ND		0.045	0.018
Aroclor-1262	ND		0.045	0.018
Aroclor-1268	ND		0.045	0.018
PCBs	0.062		0.045	0.018

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08167-008  
Client ID: Z-40(5.5-6)  
Date Received: 08/10/2012  
Date Extracted: 08/14/2012  
Date Analyzed: 08/19/2012  
Data file: Y0846.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.85g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 1  
% Moisture: 22.1

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.044	0.018
Aroclor-1221	ND		0.044	0.018
Aroclor-1232	ND		0.044	0.018
Aroclor-1242	ND		0.044	0.018
Aroclor-1248	ND		0.044	0.018
Aroclor-1254	ND		0.044	0.018
Aroclor-1260	ND		0.044	0.018
Aroclor-1262	ND		0.044	0.018
Aroclor-1268	ND		0.044	0.018
PCBs	ND		0.044	0.018

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08167-009

Client ID: Z-40(6.0-6)

Date Received: 08/10/2012

Date Extracted: 08/14/2012

Date Analyzed: 08/19/2012

Data file: Y0847.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.39g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 22.0

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.048	0.019
Aroclor-1221	ND		0.048	0.019
Aroclor-1232	ND		0.048	0.019
Aroclor-1242	ND		0.048	0.019
Aroclor-1248	ND		0.048	0.019
Aroclor-1254	ND		0.048	0.019
Aroclor-1260	ND		0.048	0.019
Aroclor-1262	ND		0.048	0.019
Aroclor-1268	ND		0.048	0.019
PCBs	ND		0.048	0.019

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08167-011

Client ID: Z-38(5.5-6)

Date Received: 08/10/2012

Date Extracted: 08/14/2012

Date Analyzed: 08/19/2012

Data file: Y0849.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.20g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 19.2

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.048	0.019
Aroclor-1221	ND		0.048	0.019
Aroclor-1232	ND		0.048	0.019
Aroclor-1242	ND		0.048	0.019
Aroclor-1248	ND		0.048	0.019
Aroclor-1254	ND		0.048	0.019
Aroclor-1260	ND		0.048	0.019
Aroclor-1262	ND		0.048	0.019
Aroclor-1268	ND		0.048	0.019
PCBs	ND		0.048	0.019

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08167-012

Client ID: Z-38(6.0-6)

Date Received: 08/10/2012

Date Extracted: 08/14/2012

Date Analyzed: 08/19/2012

Data file: Y0850.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.76g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 20.5

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.044	0.018
Aroclor-1221	ND		0.044	0.018
Aroclor-1232	ND		0.044	0.018
Aroclor-1242	ND		0.044	0.018
Aroclor-1248	ND		0.044	0.018
Aroclor-1254	ND		0.044	0.018
Aroclor-1260	ND		0.044	0.018
Aroclor-1262	ND		0.044	0.018
Aroclor-1268	ND		0.044	0.018
PCBs	ND		0.044	0.018

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08167-014  
Client ID: N-44(5.0-5)  
Date Received: 08/10/2012  
Date Extracted: 08/14/2012  
Date Analyzed: 08/20/2012  
Data file: Y0890.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.60g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 100  
% Moisture: 23.2

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		4.65	1.86
Aroclor-1221	ND		4.65	1.86
Aroclor-1232	ND		4.65	1.86
Aroclor-1242	ND		4.65	1.86
Aroclor-1248	83.4		4.65	1.86
Aroclor-1254	ND		4.65	1.86
Aroclor-1260	ND		4.65	1.86
Aroclor-1262	ND		4.65	1.86
Aroclor-1268	ND		4.65	1.86
PCBs	83.4		4.65	1.86

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08167-015  
Client ID: N-44(5.5-6)  
Date Received: 08/10/2012  
Date Extracted: 08/14/2012  
Date Analyzed: 08/20/2012  
Data file: Y0891.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.88g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 10  
% Moisture: 25.5

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.457	0.183
Aroclor-1221	ND		0.457	0.183
Aroclor-1232	ND		0.457	0.183
Aroclor-1242	ND		0.457	0.183
Aroclor-1248	15.9		0.457	0.183
Aroclor-1254	ND		0.457	0.183
Aroclor-1260	ND		0.457	0.183
Aroclor-1262	ND		0.457	0.183
Aroclor-1268	ND		0.457	0.183
PCBs	15.9		0.457	0.183

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08167-016  
Client ID: N-44(6.0-6)  
Date Received: 08/10/2012  
Date Extracted: 08/14/2012  
Date Analyzed: 08/20/2012  
Data file: Y0854.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.34g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 1  
% Moisture: 19

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.046	0.019
Aroclor-1221	ND		0.046	0.019
Aroclor-1232	ND		0.046	0.019
Aroclor-1242	ND		0.046	0.019
Aroclor-1248	0.612		0.046	0.019
Aroclor-1254	ND		0.046	0.019
Aroclor-1260	ND		0.046	0.019
Aroclor-1262	ND		0.046	0.019
Aroclor-1268	ND		0.046	0.019
PCBs	0.612		0.046	0.019

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08167-018  
Client ID: K-39(5.0-5)  
Date Received: 08/10/2012  
Date Extracted: 08/14/2012  
Date Analyzed: 08/20/2012  
Data file: Y0856.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.40g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 1  
% Moisture: 23

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.048	0.019
Aroclor-1221	ND		0.048	0.019
Aroclor-1232	ND		0.048	0.019
Aroclor-1242	ND		0.048	0.019
Aroclor-1248	1.01		0.048	0.019
Aroclor-1254	ND		0.048	0.019
Aroclor-1260	ND		0.048	0.019
Aroclor-1262	ND		0.048	0.019
Aroclor-1268	ND		0.048	0.019
PCBs	1.01		0.048	0.019

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08167-019  
Client ID: K-39(6.0-6)  
Date Received: 08/10/2012  
Date Extracted: 08/14/2012  
Date Analyzed: 08/20/2012  
Data file: Y0857.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.21g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 1  
% Moisture: 19.9

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.048	0.019
Aroclor-1221	ND		0.048	0.019
Aroclor-1232	ND		0.048	0.019
Aroclor-1242	ND		0.048	0.019
Aroclor-1248	0.327		0.048	0.019
Aroclor-1254	ND		0.048	0.019
Aroclor-1260	ND		0.048	0.019
Aroclor-1262	ND		0.048	0.019
Aroclor-1268	ND		0.048	0.019
PCBs	0.327		0.048	0.019

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08167-021

Client ID: I-38(5.0-5)

Date Received: 08/10/2012

Date Extracted: 08/14/2012

Date Analyzed: 08/21/2012

Data file: Y0918.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.44g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 27.7

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.051	0.020
Aroclor-1221	ND		0.051	0.020
Aroclor-1232	ND		0.051	0.020
Aroclor-1242	ND		0.051	0.020
Aroclor-1248	ND		0.051	0.020
Aroclor-1254	ND		0.051	0.020
Aroclor-1260	ND		0.051	0.020
Aroclor-1262	ND		0.051	0.020
Aroclor-1268	ND		0.051	0.020
PCBs	ND		0.051	0.020

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08167-022

Client ID: I-38(6.0-6)

Date Received: 08/10/2012

Date Extracted: 08/14/2012

Date Analyzed: 08/21/2012

Data file: Y0919.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.22g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 21.1

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.049	0.019
Aroclor-1221	ND		0.049	0.019
Aroclor-1232	ND		0.049	0.019
Aroclor-1242	ND		0.049	0.019
Aroclor-1248	ND		0.049	0.019
Aroclor-1254	ND		0.049	0.019
Aroclor-1260	ND		0.049	0.019
Aroclor-1262	ND		0.049	0.019
Aroclor-1268	ND		0.049	0.019
PCBs	ND		0.049	0.019

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08167-024

Client ID: Y-33(0-2.0)

Date Received: 08/10/2012

Date Extracted: 08/14/2012

Date Analyzed: 08/21/2012

Data file: Y0944.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.55g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1000

% Moisture: 10.3

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		40.2	16.1
Aroclor-1221	ND		40.2	16.1
Aroclor-1232	ND		40.2	16.1
Aroclor-1242	ND		40.2	16.1
Aroclor-1248	ND		40.2	16.1
Aroclor-1254	ND		40.2	16.1
Aroclor-1260	1950		40.2	16.1
Aroclor-1262	ND		40.2	16.1
Aroclor-1268	ND		40.2	16.1
PCBs	1950		40.2	16.1

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08167-025  
Client ID: Y-33(2.0-2)  
Date Received: 08/10/2012  
Date Extracted: 08/14/2012  
Date Analyzed: 08/21/2012  
Data file: Y0922.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.15g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 100  
% Moisture: 39.0

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		6.37	2.55
Aroclor-1221	ND		6.37	2.55
Aroclor-1232	ND		6.37	2.55
Aroclor-1242	ND		6.37	2.55
Aroclor-1248	ND		6.37	2.55
Aroclor-1254	88.7		6.37	2.55
Aroclor-1260	ND		6.37	2.55
Aroclor-1262	109		6.37	2.55
Aroclor-1268	ND		6.37	2.55
PCBs	198		6.37	2.55

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08167-026  
Client ID: Y-33(2.5-3)  
Date Received: 08/10/2012  
Date Extracted: 08/14/2012  
Date Analyzed: 08/21/2012  
Data file: Y0945.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.26g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 100  
% Moisture: 38.4

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		6.17	2.47
Aroclor-1221	ND		6.17	2.47
Aroclor-1232	ND		6.17	2.47
Aroclor-1242	ND		6.17	2.47
Aroclor-1248	ND		6.17	2.47
Aroclor-1254	ND		6.17	2.47
Aroclor-1260	ND		6.17	2.47
Aroclor-1262	ND		6.17	2.47
Aroclor-1268	ND		6.17	2.47
PCBs	ND		6.17	2.47

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08167-027  
Client ID: Y-33(3.25-  
Date Received: 08/10/2012  
Date Extracted: 08/14/2012  
Date Analyzed: 08/21/2012  
Data file: Y0924.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.16g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 1  
% Moisture: 81.7

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.212	0.085
Aroclor-1221	ND		0.212	0.085
Aroclor-1232	ND		0.212	0.085
Aroclor-1242	ND		0.212	0.085
Aroclor-1248	0.471		0.212	0.085
Aroclor-1254	ND		0.212	0.085
Aroclor-1260	ND		0.212	0.085
Aroclor-1262	ND		0.212	0.085
Aroclor-1268	ND		0.212	0.085
PCBs	0.471		0.212	0.085

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08167-028

Client ID: Y-33(4.25-

Date Received: 08/10/2012

Date Extracted: 08/14/2012

Date Analyzed: 08/21/2012

Data file: Y0925.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.62g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 23.0

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.046	0.019
Aroclor-1221	ND		0.046	0.019
Aroclor-1232	ND		0.046	0.019
Aroclor-1242	ND		0.046	0.019
Aroclor-1248	ND		0.046	0.019
Aroclor-1254	ND		0.046	0.019
Aroclor-1260	ND		0.046	0.019
Aroclor-1262	ND		0.046	0.019
Aroclor-1268	ND		0.046	0.019
PCBs	ND		0.046	0.019

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08167-029

Client ID: R-17(0-2.0)

Date Received: 08/10/2012

Date Extracted: 08/14/2012

Date Analyzed: 08/21/2012

Data file: Y0926.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.30g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 6.30

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.040	0.016
Aroclor-1221	ND		0.040	0.016
Aroclor-1232	ND		0.040	0.016
Aroclor-1242	ND		0.040	0.016
Aroclor-1248	3.36		0.040	0.016
Aroclor-1254	ND		0.040	0.016
Aroclor-1260	ND		0.040	0.016
Aroclor-1262	ND		0.040	0.016
Aroclor-1268	ND		0.040	0.016
PCBs	3.36		0.040	0.016

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08167-030  
Client ID: R-17(2.0-4)  
Date Received: 08/10/2012  
Date Extracted: 08/14/2012  
Date Analyzed: 08/21/2012  
Data file: Y0946.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.38g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 1000  
% Moisture: 10.9

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		41.7	16.7
Aroclor-1221	ND		41.7	16.7
Aroclor-1232	ND		41.7	16.7
Aroclor-1242	ND		41.7	16.7
Aroclor-1248	1760		41.7	16.7
Aroclor-1254	ND		41.7	16.7
Aroclor-1260	ND		41.7	16.7
Aroclor-1262	ND		41.7	16.7
Aroclor-1268	ND		41.7	16.7
PCBs	1760		41.7	16.7

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08167-031

Client ID: R-17(4.0-5)

Date Received: 08/10/2012

Date Extracted: 08/14/2012

Date Analyzed: 08/21/2012

Data file: Y0947.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.46g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1000

% Moisture: 13.1

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		42.2	16.9
Aroclor-1221	ND		42.2	16.9
Aroclor-1232	ND		42.2	16.9
Aroclor-1242	ND		42.2	16.9
Aroclor-1248	2270		42.2	16.9
Aroclor-1254	ND		42.2	16.9
Aroclor-1260	ND		42.2	16.9
Aroclor-1262	ND		42.2	16.9
Aroclor-1268	ND		42.2	16.9
PCBs	2270		42.2	16.9

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08167-032

Client ID: R-17(5.0-6)

Date Received: 08/10/2012

Date Extracted: 08/14/2012

Date Analyzed: 08/21/2012

Data file: Y0948.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.55g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 10

% Moisture: 18.2

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.441	0.176
Aroclor-1221	ND		0.441	0.176
Aroclor-1232	ND		0.441	0.176
Aroclor-1242	ND		0.441	0.176
Aroclor-1248	16.7		0.441	0.176
Aroclor-1254	ND		0.441	0.176
Aroclor-1260	ND		0.441	0.176
Aroclor-1262	ND		0.441	0.176
Aroclor-1268	ND		0.441	0.176
PCBs	16.7		0.441	0.176

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08167-033

Client ID: Q-17(0-2.0)

Date Received: 08/10/2012

Date Extracted: 08/14/2012

Date Analyzed: 08/21/2012

Data file: Y0949.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.61g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1000

% Moisture: 21.2

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		45.2	18.1
Aroclor-1221	ND		45.2	18.1
Aroclor-1232	ND		45.2	18.1
Aroclor-1242	ND		45.2	18.1
Aroclor-1248	4680		45.2	18.1
Aroclor-1254	ND		45.2	18.1
Aroclor-1260	ND		45.2	18.1
Aroclor-1262	ND		45.2	18.1
Aroclor-1268	ND		45.2	18.1
PCBs	4680		45.2	18.1

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08167-034

Client ID: Q-17(2.0-3)

Date Received: 08/10/2012

Date Extracted: 08/14/2012

Date Analyzed: 08/22/2012

Data file: Y1008.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.24g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 5000

% Moisture: 16.8

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND	229	91.7	
Aroclor-1221	ND	229	91.7	
Aroclor-1232	ND	229	91.7	
Aroclor-1242	ND	229	91.7	
Aroclor-1248	17300	229	91.7	
Aroclor-1254	ND	229	91.7	
Aroclor-1260	ND	229	91.7	
Aroclor-1262	ND	229	91.7	
Aroclor-1268	ND	229	91.7	
PCBs	17300	229	91.7	

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08167-035

Client ID: Q-17(4.0-4)

Date Received: 08/10/2012

Date Extracted: 08/14/2012

Date Analyzed: 08/21/2012

Data file: Y0951.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.63g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 100

% Moisture: 65.8

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		10.4	4.15
Aroclor-1221	ND		10.4	4.15
Aroclor-1232	ND		10.4	4.15
Aroclor-1242	ND		10.4	4.15
Aroclor-1248	162		10.4	4.15
Aroclor-1254	ND		10.4	4.15
Aroclor-1260	ND		10.4	4.15
Aroclor-1262	ND		10.4	4.15
Aroclor-1268	ND		10.4	4.15
PCBs	162		10.4	4.15

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08167-036

Client ID: Q-17(4.5-6)

Date Received: 08/10/2012

Date Extracted: 08/14/2012

Date Analyzed: 08/21/2012

Data file: Y0933.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.16g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 21.5

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.049	0.020
Aroclor-1221	ND		0.049	0.020
Aroclor-1232	ND		0.049	0.020
Aroclor-1242	ND		0.049	0.020
Aroclor-1248	1.42		0.049	0.020
Aroclor-1254	ND		0.049	0.020
Aroclor-1260	ND		0.049	0.020
Aroclor-1262	ND		0.049	0.020
Aroclor-1268	ND		0.049	0.020
PCBs	1.42		0.049	0.020

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08167-037

Client ID: P-17(0-2.0)

Date Received: 08/10/2012

Date Extracted: 08/14/2012

Date Analyzed: 08/21/2012

Data file: Y0934.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.14g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 10

% Moisture: 24.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.518	0.207
Aroclor-1221	ND		0.518	0.207
Aroclor-1232	ND		0.518	0.207
Aroclor-1242	ND		0.518	0.207
Aroclor-1248	89.0		0.518	0.207
Aroclor-1254	ND		0.518	0.207
Aroclor-1260	ND		0.518	0.207
Aroclor-1262	ND		0.518	0.207
Aroclor-1268	ND		0.518	0.207
PCBs	89.0		0.518	0.207

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08167-038

Client ID: P-17(2.0-4)

Date Received: 08/10/2012

Date Extracted: 08/14/2012

Date Analyzed: 08/22/2012

Data file: Y1009.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.49g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 5000

% Moisture: 28.3

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		254	102
Aroclor-1221	ND		254	102
Aroclor-1232	ND		254	102
Aroclor-1242	ND		254	102
Aroclor-1248	7330		254	102
Aroclor-1254	ND		254	102
Aroclor-1260	ND		254	102
Aroclor-1262	ND		254	102
Aroclor-1268	ND		254	102
PCBs	7330		254	102

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08167-039  
Client ID: P-17(4.0-6)  
Date Received: 08/10/2012  
Date Extracted: 08/14/2012  
Date Analyzed: 08/21/2012  
Data file: Y0936.D

GC Column: DB-5/DB1701P  
Sample wt/vol: 5.55g  
Matrix-Units: Soil-mg/Kg (ppm)  
Dilution Factor: 1  
% Moisture: 21.7

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.046	0.018
Aroclor-1221	ND		0.046	0.018
Aroclor-1232	ND		0.046	0.018
Aroclor-1242	ND		0.046	0.018
Aroclor-1248	7.62		0.046	0.018
Aroclor-1254	ND		0.046	0.018
Aroclor-1260	ND		0.046	0.018
Aroclor-1262	ND		0.046	0.018
Aroclor-1268	ND		0.046	0.018
PCBs	7.62		0.046	0.018

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: 08167-040

Client ID: FB-30

Date Received: 08/10/2012

Date Extracted: 08/16/2012

Date Analyzed: 08/21/2012

Data file: Y0906.D

GC Column: DB-5/DB1701P

Sample wt/vol: 1000ml

Matrix-Units: Aqueous-mg/L (ppm)

Dilution Factor: 1

% Moisture: 100

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.00005	0.00002
Aroclor-1221	ND		0.00005	0.00002
Aroclor-1232	ND		0.00005	0.00002
Aroclor-1242	ND		0.00005	0.00002
Aroclor-1248	ND		0.00005	0.00002
Aroclor-1254	ND		0.00005	0.00002
Aroclor-1260	ND		0.00005	0.00002
Aroclor-1262	ND		0.00005	0.00002
Aroclor-1268	ND		0.00005	0.00002
PCBs	ND		0.00005	0.00002

**PCB DATA**

**PCB QC SUMMARY**

## PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 08/14/2012

Client ID	Lab	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
			% rec	#	% rec	#	% rec	#	% rec	#
PCB	BLKA120808-12	AQUEOUS	129		77		124		83	
MW-1	07724-001	AQUEOUS	108		117		121		118	
MW-2	07724-002	AQUEOUS	114		158		125		159	
MW-3	07724-003	AQUEOUS	71		80		80		77	
FB-25	07780-050	AQUEOUS	100		61		103		57	
PCB	07724-001MS	AQUEOUS	69		57		80		52	
PCB	07724-001MSD	AQUEOUS	57		51		64		49	
PCB	LCSA120808-12	AQUEOUS	143		93		125		68	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

DCB = Decachlorobiphenyl

Soil

21-163

Aqueous

11-163

30-172

13-170

# Column to be used to flag recovery values

\* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

## PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 08/20/2012

Client ID	Sample ID	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
			% rec	#	% rec	#	% rec	#	% rec	#
PCB	BLKA120816-18	AQUEOUS	155		146		157		138	
SAMPLE_1	08066-001	AQUEOUS	137		113		119		112	
MW-3	08136-001	AQUEOUS	137		109		118		106	
FB	08136-003	AQUEOUS	157		118		143		121	
FB2	08212-038	AQUEOUS	112		82		95		80	
FB-30	08167-040	AQUEOUS	102		80		87		78	
BUR-V12-01	08210-003	AQUEOUS	58		57		56		58	
PCB	LCSA120816-18	AQUEOUS	119		95		98		94	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

Soil

Aqueous

21-163      11-163

DCB = Decachlorobiphenyl

30-172      13-170

# Column to be used to flag recovery values

\* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

## PCB SURROGATE PERCENT RECOVERY SUMMARY

**Date Analyzed:** 08/19/2012

<b>Client ID</b>	<b>Sample ID</b>	<b>Matrix</b>	<b>TCMX 1</b>		<b>DCB 1</b>		<b>TCMX 2</b>		<b>DCB 2</b>	
			<b>% rec</b>	<b>#</b>	<b>% rec</b>	<b>#</b>	<b>% rec</b>	<b>#</b>	<b>% rec</b>	<b>#</b>
PCB	BLKS120814-01	SOIL	116		118		95		133	
Y-40(5.0-5	08167-001	SOIL	0	D	0	D	0	D	0	D
Y-40(5.5-6	08167-002	SOIL	106		127		95		115	
Y-40(6.0-6	08167-003	SOIL	110		119		95		129	
Y-40(7.0-7	08167-004	SOIL	108		124		95		108	
Z-41(5.5-6	08167-005	SOIL	109		147		98		109	
Z-41(6.0-6	08167-006	SOIL	107		116		95		105	
Z-41(7.0-7	08167-007	SOIL	110		104		94		130	
Z-40(5.5-6	08167-008	SOIL	110		111		98		108	
Z-40(6.0-6	08167-009	SOIL	116		113		97		106	
Z-40(7.0-7	08167-010	SOIL	117		125		97		130	
Z-38(5.5-6	08167-011	SOIL	72		111		91		99	
Z-38(6.0-6	08167-012	SOIL	78		117		93		103	
Z-38(7.0-7	08167-013	SOIL	96		132		96		107	
N-44(6.0-6	08167-016	SOIL	84		114		95		121	
N-44(7.0-7	08167-017	SOIL	102		118		95		127	
K-39(5.0-5	08167-018	SOIL	109		133		95		106	
K-39(6.0-6	08167-019	SOIL	117		121		95		126	
K-39(7.0-7	08167-020	SOIL	112		104		108		118	
PCB	08167-020MS	SOIL	115		130		93		96	
PCB	08167-020MSD	SOIL	115		132		93		102	
PCB	LCSS120814-01	SOIL	121		119		94		115	
N-44(5.0-5	08167-014	SOIL	0	D	0	D	0	D	0	D
N-44(5.5-6	08167-015	SOIL	119		132		118		139	

Surrogate QC Limits

**TCMX = Tetrachloro-m-xylene**

**DCB = Decachlorobiphenyl**

**Soil**

**21-163**

**Aqueous**

**11-163**

**30-172**

**13-170**

# Column to be used to flag recovery values

\* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

# PCB SURROGATE PERCENT RECOVERY SUMMARY

**Date Analyzed:** 08/21/2012

Client ID	Sample ID	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
			% rec	#	% rec	#	% rec	#	% rec	#
PCB	BLKS120814-03	SOIL	116		105		97		112	
I-38(5.0-5	08167-021	SOIL	115		109		99		101	
I-38(6.0-6	08167-022	SOIL	114		101		98		98	
I-38(7.0-7	08167-023	SOIL	111		98		94		110	
Y-33(2.0-2	08167-025	SOIL	0	D	0	D	0	D	0	D
Y-33(3.25-	08167-027	SOIL	99		114		97		111	
Y-33(4.25-	08167-028	SOIL	105		87		88		111	
R-17(0.2-0	08167-029	SOIL	111		98		91		100	
Q-17(4.5-6	08167-036	SOIL	113		112		93		104	
P-17(0.2-0	08167-037	SOIL	127		101		110		106	
P-17(4.0-6	08167-039	SOIL	111		138		91		126	
R-40(7.0-7	08092-041	SOIL	90		134		84		97	
PCB	08167-039MS	SOIL	110		134		89		111	
PCB	08167-039MSD	SOIL	114		123		91		102	
PCB	LCSS120814-03	SOIL	121		125		96		101	
Y-33(0.2-0	08167-024	SOIL	0	D	0	D	0	D	0	D
Y-33(2.5-3	08167-026	SOIL	0	D	0	D	0	D	0	D
R-17(2.0-4	08167-030	SOIL	0	D	0	D	0	D	0	D
R-17(4.0-5	08167-031	SOIL	0	D	0	D	0	D	0	D
R-17(5.0-6	08167-032	SOIL	147		132		117		109	
Q-17(0.2-0	08167-033	SOIL	0	D	0	D	0	D	0	D
Q-17(4.0-4	08167-035	SOIL	0	D	0	D	0	D	0	D
Q-17(2.0-3	08167-034	SOIL	0	D	0	D	0	D	0	D
P-17(2.0-4	08167-038	SOIL	0	D	0	D	0	D	0	D

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

DCB = Decachlorobiphenyl

Soil

21-163

Aqueous

11-163

30-172

13-170

# Column to be used to flag recovery values

\* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

**SOIL PCB BLANK SPIKE RECOVERY**

Matrix spike Lab sample ID:

LCSS120814-03

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	464.5	93	40 - 140
Aroclor-1260	500.0	0.0	406.1	81	40 - 140

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

NC Non calculable

Spike Recovery: 0 out of 2 outside limits

**AQUEOUS PCB MATRIX SPIKE/SPIKE DUPLICATE RECOVERY**

Matrix spike Lab sample ID: 07724-001

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	346.3	69	40 - 140
Aroclor-1260	500.0	0.0	379.0	76	40 - 140

Compound	SAMPLE CONC. (ug/L)	MSD CONC. (ug/L)	MSD % # REC	% RPD #	QC LIMITS RPD	REC.
Aroclor-1016	0.0	279.6	56	21	50	40 - 140
Aroclor-1260	0.0	270.4	54	34	50	40 - 140

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

NC Non calculable

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

# SOIL PCB MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 08167-020

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	441.3	88	40 - 140
Aroclor-1260	500.0	0.0	376.0	75	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD % # REC	% RPD #	QC LIMITS RPD	REC.
Aroclor-1016	0.0	440.6	88	0	50	40 - 140
Aroclor-1260	0.0	385.1	77	3	50	40 - 140

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

NC Non calculable

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

# **SOIL PCB MATRIX SPIKE/SPIKE DUPLICATE RECOVERY**

Matrix spike Lab sample ID:

08167-039

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	NC	NC	40 - 140
Aroclor-1260	500.0	0.0	513.3	103	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD % # REC	% RPD #	QC LIMITS RPD	REC.
Aroclor-1016	0.0	NC	NC	NC	50	40 - 140
Aroclor-1260	0.0	510.2	102	1	50	40 - 140

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

NC Non calculable

RPD: 1 out of 2 outside limits

Spike Recovery: 2 out of 4 outside limits

**PCB METHOD BLANK SUMMARY**

Lab File ID: R2938.D

Instrument ID: GC-R

Date Extracted: 08/08/2012

Matrix: AQUEOUS

Date Analyzed: 08/14/2012

Time Analyzed: 23:06

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

<b>Client ID</b>	<b>Lab Sample ID</b>	<b>Date Analyzed</b>	<b>Time Analyzed</b>
MW-1	07724-001	08/14/2012	23:24
MW-2	07724-002	08/14/2012	23:41
MW-3	07724-003	08/14/2012	23:59
FB-25	07780-050	08/15/2012	00:16
PCB	07724-001MS	08/15/2012	00:33
PCB	07724-001MSD	08/15/2012	00:51
PCB	LCSA120808-12	08/15/2012	19:14

**PCB METHOD BLANK SUMMARY**

Lab File ID: Y0838.D      Instrument ID: GC-Y

Date Extracted: 08/14/2012      Matrix: SOIL

Date Analyzed: 08/19/2012      Time Analyzed: 20:15

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

<b>Client ID</b>	<b>Lab Sample ID</b>	<b>Date Analyzed</b>	<b>Time Analyzed</b>
Y-40(5.0-5	08167-001	08/19/2012	20:32
Y-40(5.5-6	08167-002	08/19/2012	20:49
Y-40(6.0-6	08167-003	08/19/2012	21:06
Y-40(7.0-7	08167-004	08/19/2012	21:24
Z-41(5.5-6	08167-005	08/19/2012	21:41
Z-41(6.0-6	08167-006	08/19/2012	21:58
Z-41(7.0-7	08167-007	08/19/2012	22:15
Z-40(5.5-6	08167-008	08/19/2012	22:32
Z-40(6.0-6	08167-009	08/19/2012	22:50
Z-40(7.0-7	08167-010	08/19/2012	23:07
Z-38(5.5-6	08167-011	08/19/2012	23:24
Z-38(6.0-6	08167-012	08/19/2012	23:41
Z-38(7.0-7	08167-013	08/19/2012	23:58
N-44(6.0-6	08167-016	08/20/2012	00:50
N-44(7.0-7	08167-017	08/20/2012	01:07
K-39(5.0-5	08167-018	08/20/2012	01:24
K-39(6.0-6	08167-019	08/20/2012	01:41
K-39(7.0-7	08167-020	08/20/2012	02:03
PCB	08167-020MS	08/20/2012	02:22
PCB	08167-020MSD	08/20/2012	02:39
PCB	LCSS120814-01	08/20/2012	02:57
N-44(5.0-5	08167-014	08/20/2012	18:32
N-44(5.5-6	08167-015	08/20/2012	18:49

**PCB METHOD BLANK SUMMARY**

Lab File ID: Y0900.D

Instrument ID: GC-Y

Date Extracted: 08/16/2012

Matrix: AQUEOUS

Date Analyzed: 08/20/2012

Time Analyzed: 22:50

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

<b>Client ID</b>	<b>Lab Sample ID</b>	<b>Date Analyzed</b>	<b>Time Analyzed</b>
SAMPLE_1	08066-001	08/20/2012	23:07
MW-3	08136-001	08/20/2012	23:24
FB	08136-003	08/20/2012	23:41
FB2	08212-038	08/20/2012	23:58
FB-30	08167-040	08/21/2012	00:33
BUR-V12-01	08210-003	08/21/2012	00:50
PCB	LCSA120816-18	08/21/2012	01:07

**PCB METHOD BLANK SUMMARY**

Lab File ID: Y0917.D

Instrument ID: GC-Y

Date Extracted: 08/14/2012

Matrix: SOIL

Date Analyzed: 08/21/2012

Time Analyzed: 03:42

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

<b>Client ID</b>	<b>Lab Sample ID</b>	<b>Date Analyzed</b>	<b>Time Analyzed</b>
I-38(5.0-5	08167-021	08/21/2012	03:59
I-38(6.0-6	08167-022	08/21/2012	04:16
I-38(7.0-7	08167-023	08/21/2012	04:34
Y-33(2.0-2	08167-025	08/21/2012	05:08
Y-33(3.25-	08167-027	08/21/2012	05:42
Y-33(4.25-	08167-028	08/21/2012	05:59
R-17(0-2.0	08167-029	08/21/2012	06:16
Q-17(4.5-6	08167-036	08/21/2012	08:17
P-17(0-2.0	08167-037	08/21/2012	08:34
P-17(4.0-6	08167-039	08/21/2012	09:08
R-40(7.0-7	08092-041	08/21/2012	09:25
PCB	08167-039MS	08/21/2012	09:43
PCB	08167-039MSD	08/21/2012	10:00
PCB	LCSS120814-03	08/21/2012	10:17
Y-33(0-2.0	08167-024	08/21/2012	19:09
Y-33(2.5-3	08167-026	08/21/2012	19:26
R-17(2.0-4	08167-030	08/21/2012	19:44
R-17(4.0-5	08167-031	08/21/2012	20:01
R-17(5.0-6	08167-032	08/21/2012	20:18
Q-17(0-2.0	08167-033	08/21/2012	20:35
Q-17(4.0-4	08167-035	08/21/2012	21:09
Q-17(2.0-3	08167-034	08/22/2012	18:20
P-17(2.0-4	08167-038	08/22/2012	18:37

## **AROCLOR INITIAL CALIBRATION SUMMARY**

**Date Analyzed:** 07/27/2012

**Instrument ID:** GC-Y

**Data File:** **Y7474.D** **Y7473.D** **Y7472.D** **Y7471.D** **Y7470.D**

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.28	3.28	3.28	3.28	3.28	3.28	3.21	3.35
Aroclor-1016 {2}	4.11	4.11	4.11	4.11	4.11	4.11	4.04	4.18
Aroclor-1016 {3}	4.66	4.66	4.66	4.66	4.66	4.66	4.59	4.73
Aroclor-1016 {4}	5.16	5.17	5.17	5.17	5.17	5.17	5.10	5.24
Aroclor-1016 {5}	5.56	5.56	5.56	5.56	5.56	5.56	5.49	5.63
Aroclor-1221			2.18				2.11	2.25
Aroclor-1221 {2}			3.07				3.00	3.14
Aroclor-1221 {3}			3.20				3.13	3.27
Aroclor-1221 {4}			3.28				3.21	3.35
Aroclor-1221 {5}			3.87				3.80	3.94
Aroclor-1232			3.28				3.21	3.35
Aroclor-1232 {2}			4.11				4.04	4.18
Aroclor-1232 {3}			4.77				4.70	4.84
Aroclor-1232 {4}			5.37				5.30	5.44
Aroclor-1232 {5}			5.56				5.49	5.63
Aroclor-1242			4.11				4.04	4.18
Aroclor-1242 {2}			5.05				4.98	5.12
Aroclor-1242 {3}			5.37				5.30	5.44
Aroclor-1242 {4}			6.06				5.99	6.13
Aroclor-1242 {5}			6.33				6.26	6.40
Aroclor-1248			4.51				4.43	4.59
Aroclor-1248 {2}			5.05				4.97	5.13
Aroclor-1248 {3}			5.37				5.29	5.45
Aroclor-1248 {4}			6.06				5.98	6.14
Aroclor-1248 {5}			6.33				6.25	6.41
Aroclor-1254			6.46				6.38	6.54
Aroclor-1254 {2}			6.89				6.81	6.97
Aroclor-1254 {3}			7.05				6.96	7.14
Aroclor-1254 {4}			7.49				7.40	7.58
Aroclor-1254 {5}			8.33				8.24	8.42
Aroclor-1260	8.33	8.33	8.33	8.33	8.33	8.33	7.43	9.23
Aroclor-1260 {2}	9.01	9.00	9.00	9.01	9.00	9.01	8.11	9.91
Aroclor-1260 {3}	9.48	9.48	9.48	9.48	9.48	9.48	8.58	10.38
Aroclor-1260 {4}	9.96	9.96	9.96	9.96	9.96	9.96	9.06	10.86
Aroclor-1260 {5}	11.02	11.02	11.02	11.02	11.02	11.02	10.12	11.92

# AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 07/27/2012      Instrument ID: GC-Y  
 GC Column (1st): DB-5

Data File: Y7474.D Y7473.D Y7472.D Y7471.D Y7470.D

Compound	CALIBRATION FACTORS						MEAN	%RSD
	10	50	500	1000	2000			
Aroclor-1016	1499497	1643572	1620204	1731844	1719392	1642902	5.68	
Aroclor-1016 {2}	2187265	2186431	2233810	2382611	2382046	2274432	4.41	
Aroclor-1016 {3}	2912686	2970331	3031654	3289357	3297690	3100344	5.85	
Aroclor-1016 {4}	1473842	1463685	1463123	1543728	1536374	1496150	2.70	
Aroclor-1016 {5}	2335219	2359157	2429888	2639510	2665231	2485801	6.29	
Aroclor-1221			857779					
Aroclor-1221 {2}			1274912					
Aroclor-1221 {3}			830802					
Aroclor-1221 {4}			3079812					
Aroclor-1221 {5}			690280					
Aroclor-1232			1822159					
Aroclor-1232 {2}			1003890					
Aroclor-1232 {3}			928746					
Aroclor-1232 {4}			974151					
Aroclor-1232 {5}			1306873					
Aroclor-1242			2214957					
Aroclor-1242 {2}			1390717					
Aroclor-1242 {3}			1992389					
Aroclor-1242 {4}			3277799					
Aroclor-1242 {5}			2814572					
Aroclor-1248			4408931					
Aroclor-1248 {2}			2423768					
Aroclor-1248 {3}			3068505					
Aroclor-1248 {4}			5573129					
Aroclor-1248 {5}			4165551					
Aroclor-1254			5890792					
Aroclor-1254 {2}			3879129					
Aroclor-1254 {3}			7412088					
Aroclor-1254 {4}			7690374					
Aroclor-1254 {5}			6900019					
Aroclor-1260	6754156	6816455	7228305	7784304	7734241	7263492	6.72	
Aroclor-1260 {2}	2788826	3091170	3209959	3370664	3384228	3168969	7.72	
Aroclor-1260 {3}	7747207	7867436	8197830	8754564	8696832	8252774	5.61	
Aroclor-1260 {4}	3858168	4076459	4066742	4340387	4322153	4132782	4.87	
Aroclor-1260 {5}	1594242	1739131	1689846	1780779	1611042	1683008	4.77	
Average %RSD							5.46	

# AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 07/27/2012      Instrument ID: GC-Y  
 GC Column (2nd): RTX-CLP2

Data File: Y7474.C Y7473.C Y7472.C Y7471.C Y7470.C

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.79	3.79	3.79	3.79	3.79	3.79	3.72	3.86
Aroclor-1016 {2}	4.39	4.39	4.39	4.39	4.39	4.39	4.32	4.46
Aroclor-1016 {3}	5.14	5.14	5.14	5.14	5.14	5.14	5.07	5.21
Aroclor-1016 {4}	5.35	5.35	5.35	5.35	5.35	5.35	5.28	5.42
Aroclor-1016 {5}	5.52	5.52	5.52	5.53	5.52	5.52	5.45	5.59
Aroclor-1221			2.47				2.40	2.54
Aroclor-1221 {2}			3.47				3.40	3.54
Aroclor-1221 {3}			3.71				3.64	3.78
Aroclor-1221 {4}			3.80				3.73	3.87
Aroclor-1221 {5}			5.15				5.08	5.22
Aroclor-1232			3.79				3.72	3.86
Aroclor-1232 {2}			4.78				4.71	4.85
Aroclor-1232 {3}			5.35				5.28	5.42
Aroclor-1232 {4}			5.53				5.46	5.60
Aroclor-1232 {5}			6.13				6.06	6.20
Aroclor-1242			4.77				4.70	4.84
Aroclor-1242 {2}			5.52				5.45	5.59
Aroclor-1242 {3}			6.12				6.05	6.19
Aroclor-1242 {4}			6.28				6.21	6.35
Aroclor-1242 {5}			6.83				6.76	6.90
Aroclor-1248			5.14				5.06	5.22
Aroclor-1248 {2}			5.72				5.64	5.80
Aroclor-1248 {3}			6.12				6.04	6.20
Aroclor-1248 {4}			6.28				6.20	6.36
Aroclor-1248 {5}			6.63				6.55	6.71
Aroclor-1254			7.12				7.04	7.20
Aroclor-1254 {2}			7.71				7.63	7.79
Aroclor-1254 {3}			8.32				8.23	8.41
Aroclor-1254 {4}			8.55				8.46	8.64
Aroclor-1254 {5}			9.14				9.05	9.23
Aroclor-1260	7.89	7.89	7.89	7.89	7.89	7.89	6.99	8.79
Aroclor-1260 {2}	8.14	8.14	8.14	8.14	8.14	8.14	7.24	9.04
Aroclor-1260 {3}	9.73	9.73	9.73	9.73	9.73	9.73	8.83	10.63
Aroclor-1260 {4}	10.23	10.24	10.24	10.24	10.24	10.24	9.34	11.14
Aroclor-1260 {5}	10.83	10.83	10.83	10.83	10.83	10.83	9.93	11.73

# AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 07/27/2012      Instrument ID: GC-Y  
 GC Column (2nd): RTX-CLP2

Data File: Y7474.C Y7473.C Y7472.C Y7471.C Y7470.C

Compound	CALIBRATION FACTORS						%RSD
	10	50	500	1000	2000	MEAN	
Aroclor-1016	716762	706227	592756	606323	580908	640595	10.22
Aroclor-1016 {2}	1491342	1367756	1172264	1189784	1143037	1272837	11.82
Aroclor-1016 {3}	3232967	3014659	2707397	2809215	2741209	2901089	7.60
Aroclor-1016 {4}	1397458	1343377	1159070	1184958	1147159	1246404	9.28
Aroclor-1016 {5}	1092976	1027173	900173	930790	905784	971379	8.75
Aroclor-1221			303117				
Aroclor-1221 {2}			445826				
Aroclor-1221 {3}			275257				
Aroclor-1221 {4}			1026756				
Aroclor-1221 {5}			194646				
Aroclor-1232			669139				
Aroclor-1232 {2}			250595				
Aroclor-1232 {3}			554533				
Aroclor-1232 {4}			429284				
Aroclor-1232 {5}			589289				
Aroclor-1242			514508				
Aroclor-1242 {2}			903404				
Aroclor-1242 {3}			1170522				
Aroclor-1242 {4}			977089				
Aroclor-1242 {5}			1942170				
Aroclor-1248			1594094				
Aroclor-1248 {2}			2342634				
Aroclor-1248 {3}			1693836				
Aroclor-1248 {4}			1453571				
Aroclor-1248 {5}			839630				
Aroclor-1254			2166860				
Aroclor-1254 {2}			1708212				
Aroclor-1254 {3}			1684100				
Aroclor-1254 {4}			964117				
Aroclor-1254 {5}			2390859				
Aroclor-1260	1123931	1173392	1022484	1046311	1010906	1075405	6.54
Aroclor-1260 {2}	1719813	1703397	1498782	1527259	1473866	1584623	7.42
Aroclor-1260 {3}	1342862	1318301	1302734	1349136	1311077	1324822	1.53
Aroclor-1260 {4}	3007176	2672208	2849816	2985401	2914821	2885884	4.66
Aroclor-1260 {5}	1892243	1968924	2095635	2141260	2064573	2032527	4.95
<b>Average %RSD</b>						7.28	

# AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 07/27/2012      Instrument ID: GC-Y  
 GC Column (1st): DB-5

Data File: Y7474.D Y7473.D Y7472.D Y7471.D Y7470.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			8.62				7.72	7.72
Aroclor-1262 {2}			9.48				8.58	8.58
Aroclor-1262 {3}			10.11				9.21	9.21
Aroclor-1262 {4}			10.20				9.20	9.20
Aroclor-1262 {5}			11.02				10.02	10.02
Aroclor-1268			10.11				9.11	9.11
Aroclor-1268 {2}			10.19				9.09	9.09
Aroclor-1268 {3}			10.66				9.56	9.56
Aroclor-1268 {4}			10.79				9.69	9.69
Aroclor-1268 {5}			11.62				10.52	10.52

GC Column (2nd): DB-1701P

Data File: Y7474.C Y7473.C Y7472.C Y7471.C Y7470.C

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			9.73				8.83	8.83
Aroclor-1262 {2}			10.24				9.34	9.34
Aroclor-1262 {3}			10.73				9.83	9.83
Aroclor-1262 {4}			10.82				9.82	9.82
Aroclor-1262 {5}			11.42				10.42	10.42
Aroclor-1268			10.73				9.73	9.73
Aroclor-1268 {2}			10.81				9.71	9.71
Aroclor-1268 {3}			11.06				9.96	9.96
Aroclor-1268 {4}			11.21				10.11	10.11
Aroclor-1268 {5}			12.28				11.18	11.18

# AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 07/27/2012      Instrument ID: GC-Y  
 GC Column (1st): DB-5

Data File: Y7474.D Y7473.D Y7472.D Y7471.D Y7470.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			7714965				
Aroclor-1262 {2}			14417198				
Aroclor-1262 {3}			3110518				
Aroclor-1262 {4}			6075825				
Aroclor-1262 {5}			4508924				
Aroclor-1268			10860016				
Aroclor-1268 {2}			14225411				
Aroclor-1268 {3}			10282793				
Aroclor-1268 {4}			2897358				
Aroclor-1268 {5}			31426339				

GC Column (2nd): DB-1701P

Data File: Y7474.C Y7473.C Y7472.C Y7471.C Y7470.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			2286092				
Aroclor-1262 {2}			5016859				
Aroclor-1262 {3}			1654661				
Aroclor-1262 {4}			3415456				
Aroclor-1262 {5}			562448				
Aroclor-1268			4906314				
Aroclor-1268 {2}			5097805				
Aroclor-1268 {3}			4029758				
Aroclor-1268 {4}			1168430				
Aroclor-1268 {5}			12079931				

# PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/03/2012

Instrument ID: GC-R  
GC Column (1st): DB-5

Data File: R2317.D R2316.D R2315.D R2314.D R2313.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.98	3.98	3.97	3.97	3.97	3.97	3.90	4.04
Aroclor-1016 {2}	4.87	4.87	4.87	4.87	4.87	4.87	4.80	4.94
Aroclor-1016 {3}	5.45	5.45	5.45	5.45	5.45	5.45	5.38	5.52
Aroclor-1016 {4}	5.99	5.99	5.98	5.98	5.99	5.99	5.92	6.06
Aroclor-1016 {5}	6.40	6.40	6.40	6.40	6.40	6.40	6.33	6.47
Aroclor-1221			2.75				2.68	2.82
Aroclor-1221 {2}			3.75				3.68	3.82
Aroclor-1221 {3}			3.89				3.82	3.96
Aroclor-1221 {4}			3.98				3.91	4.05
Aroclor-1221 {5}			4.62				4.55	4.69
Aroclor-1232			3.98				3.91	4.05
Aroclor-1232 {2}			4.87				4.80	4.94
Aroclor-1232 {3}			5.57				5.50	5.64
Aroclor-1232 {4}			6.19				6.12	6.26
Aroclor-1232 {5}			6.40				6.33	6.47
Aroclor-1242			4.87				4.80	4.94
Aroclor-1242 {2}			5.86				5.79	5.93
Aroclor-1242 {3}			6.19				6.12	6.26
Aroclor-1242 {4}			6.91				6.84	6.98
Aroclor-1242 {5}			7.20				7.13	7.27
Aroclor-1248			5.29				5.21	5.37
Aroclor-1248 {2}			5.86				5.78	5.94
Aroclor-1248 {3}			6.19				6.11	6.27
Aroclor-1248 {4}			6.92				6.84	7.00
Aroclor-1248 {5}			7.20				7.12	7.28
Aroclor-1254			7.32				7.24	7.40
Aroclor-1254 {2}			7.77				7.69	7.85
Aroclor-1254 {3}			7.94				7.85	8.03
Aroclor-1254 {4}			8.39				8.30	8.48
Aroclor-1254 {5}			9.25				9.16	9.34
Aroclor-1260	9.24	9.25	9.25	9.25	9.25	9.25	8.35	10.15
Aroclor-1260 {2}	9.94	9.94	9.94	9.94	9.94	9.94	9.04	10.84
Aroclor-1260 {3}	10.41	10.41	10.41	10.41	10.41	10.41	9.51	11.31
Aroclor-1260 {4}	10.91	10.90	10.90	10.91	10.91	10.91	10.01	11.81
Aroclor-1260 {5}	11.98	11.98	11.98	11.98	11.98	11.98	11.08	12.88

# PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/03/2012

Instrument ID: GC-R  
GC Column (1st): DB-5

Data File: R2317.D   R2316.D   R2315.D   R2314.D   R2313.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	4148547	3474713	3391408	3465880	3183041	3532718	10.30
Aroclor-1016 {2}	4814045	4541000	4561907	4617462	3394207	4385724	12.88
Aroclor-1016 {3}	7568738	6430138	6225723	6332514	5696869	6450796	10.64
Aroclor-1016 {4}	3542346	3069983	2794832	2915236	2754293	3015338	10.59
Aroclor-1016 {5}	6830760	5605541	5084418	5245594	4927718	5538806	13.81
Aroclor-1221			1229343				
Aroclor-1221 {2}			1914692				
Aroclor-1221 {3}			1356591				
Aroclor-1221 {4}			4598908				
Aroclor-1221 {5}			960571				
Aroclor-1232			3418592				
Aroclor-1232 {2}			1963761				
Aroclor-1232 {3}			1861795				
Aroclor-1232 {4}			1873511				
Aroclor-1232 {5}			2526106				
Aroclor-1242			3604887				
Aroclor-1242 {2}			2304299				
Aroclor-1242 {3}			3251247				
Aroclor-1242 {4}			4676274				
Aroclor-1242 {5}			4426889				
Aroclor-1248			7617307				
Aroclor-1248 {2}			4289968				
Aroclor-1248 {3}			5493016				
Aroclor-1248 {4}			8520185				
Aroclor-1248 {5}			7158979				
Aroclor-1254			9934700				
Aroclor-1254 {2}			6357385				
Aroclor-1254 {3}			11846584				
Aroclor-1254 {4}			13808739				
Aroclor-1254 {5}			11537908				
Aroclor-1260	13232716	14847679	14279675	14895160	12844991	14020044	6.69
Aroclor-1260 {2}	8356822	7467531	7187821	8016598	6047587	7415272	12.01
Aroclor-1260 {3}	24553014	24006644	25499192	26354326	24629842	25008604	3.69
Aroclor-1260 {4}	10630020	10556390	10880601	10512594	9382497	10392420	5.60
Aroclor-1260 {5}	5154888	4820946	4487637	4471914	4276315	4642340	7.47
Average %RSD						9.37	

# PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/03/2012      Instrument ID: GC-R  
 GC Column (2nd): RTX-CLP2

Data File: R2317.C R2316.C R2315.C R2314.C R2313.C

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	4.31	4.31	4.31	4.31	4.31	4.31	4.24	4.38
Aroclor-1016 {2}	4.93	4.93	4.93	4.93	4.93	4.93	4.86	5.00
Aroclor-1016 {3}	5.70	5.70	5.70	5.70	5.70	5.70	5.63	5.77
Aroclor-1016 {4}	5.91	5.91	5.91	5.91	5.91	5.91	5.84	5.98
Aroclor-1016 {5}	6.09	6.09	6.09	6.09	6.10	6.09	6.02	6.16
Aroclor-1221			2.91				2.84	2.98
Aroclor-1221 {2}			3.97				3.90	4.04
Aroclor-1221 {3}			4.21				4.14	4.28
Aroclor-1221 {4}			4.31				4.24	4.38
Aroclor-1221 {5}			5.70				5.63	5.77
Aroclor-1232			4.31				4.24	4.38
Aroclor-1232 {2}			5.33				5.26	5.40
Aroclor-1232 {3}			5.92				5.85	5.99
Aroclor-1232 {4}			6.10				6.03	6.17
Aroclor-1232 {5}			6.70				6.63	6.77
Aroclor-1242			5.33				5.26	5.40
Aroclor-1242 {2}			6.09				6.02	6.16
Aroclor-1242 {3}			6.70				6.63	6.77
Aroclor-1242 {4}			6.86				6.79	6.93
Aroclor-1242 {5}			7.42				7.35	7.49
Aroclor-1248			5.70				5.62	5.78
Aroclor-1248 {2}			6.30				6.22	6.38
Aroclor-1248 {3}			6.70				6.62	6.78
Aroclor-1248 {4}			6.86				6.78	6.94
Aroclor-1248 {5}			7.22				7.14	7.30
Aroclor-1254			7.71				7.63	7.79
Aroclor-1254 {2}			8.31				8.23	8.39
Aroclor-1254 {3}			8.76				8.67	8.85
Aroclor-1254 {4}			8.93				8.84	9.02
Aroclor-1254 {5}			9.76				9.67	9.85
Aroclor-1260	8.75	8.76	8.75	8.75	8.76	8.75	7.85	9.65
Aroclor-1260 {2}	9.16	9.16	9.16	9.16	9.16	9.16	8.26	10.06
Aroclor-1260 {3}	10.37	10.37	10.37	10.37	10.37	10.37	9.47	11.27
Aroclor-1260 {4}	10.88	10.88	10.88	10.88	10.88	10.88	9.98	11.78
Aroclor-1260 {5}	11.47	11.48	11.48	11.48	11.48	11.48	10.58	12.38

# PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/03/2012      Instrument ID: GC-R  
 GC Column (2nd): RTX-CLP2

Data File: R2317.C R2316.C R2315.C R2314.C R2313.C

Compound	CALIBRATION FACTORS						%RSD
	10	50	500	1000	2000	MEAN	
Aroclor-1016	3301781	2954105	2643643	2529226	2303020	2746355	14.17
Aroclor-1016 {2}	6707489	6150160	5110511	4948360	4347097	5452724	17.53
Aroclor-1016 {3}	14745460	12859894	11264390	11150500	10121445	12028338	15.02
Aroclor-1016 {4}	5742883	5607312	4849813	4698138	4249064	5029442	12.55
Aroclor-1016 {5}	5012641	4334838	3727625	3633227	3135719	3968810	18.21
Aroclor-1221			1122396				
Aroclor-1221 {2}			1539972				
Aroclor-1221 {3}			1037434				
Aroclor-1221 {4}			3477204				
Aroclor-1221 {5}			726493				
Aroclor-1232			2723088				
Aroclor-1232 {2}			1075934				
Aroclor-1232 {3}			2243133				
Aroclor-1232 {4}			1695418				
Aroclor-1232 {5}			2462122				
Aroclor-1242			1734866				
Aroclor-1242 {2}			2937496				
Aroclor-1242 {3}			3926592				
Aroclor-1242 {4}			3302370				
Aroclor-1242 {5}			3081015				
Aroclor-1248			5584663				
Aroclor-1248 {2}			7985358				
Aroclor-1248 {3}			5968248				
Aroclor-1248 {4}			5106084				
Aroclor-1248 {5}			2887863				
Aroclor-1254			5441537				
Aroclor-1254 {2}			5978071				
Aroclor-1254 {3}			3838743				
Aroclor-1254 {4}			5725090				
Aroclor-1254 {5}			7956918				
Aroclor-1260	7970181	7043339	5736710	5616554	5210658	6315488	18.25
Aroclor-1260 {2}	9207320	8223573	6675375	6514070	5872398	7298547	18.81
Aroclor-1260 {3}	5862064	5654391	4967417	4891180	3825217	5040054	15.86
Aroclor-1260 {4}	11168198	10895756	9702263	9449954	8929616	10029157	9.59
Aroclor-1260 {5}	9642825	8763279	7680727	7558727	6969315	8122975	13.15
Average %RSD						15.31	

# AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/03/2012

Instrument ID: GC-R  
GC Column (1st): DB-5

Data File: R2317.D R2316.D R2315.D R2314.D R2313.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			9.54				8.64	8.64
Aroclor-1262 {2}			10.41				9.51	9.51
Aroclor-1262 {3}			11.06				10.16	10.16
Aroclor-1262 {4}			11.15				10.15	10.15
Aroclor-1262 {5}			11.98				10.98	10.98
Aroclor-1268			11.06				10.06	10.06
Aroclor-1268 {2}			11.15				10.05	10.05
Aroclor-1268 {3}			11.63				10.53	10.53
Aroclor-1268 {4}			11.76				10.66	10.66
Aroclor-1268 {5}			12.60				11.50	11.50

GC Column (2nd): DB-1701P

Data File: R2317.C R2316.C R2315.C R2314.C R2313.C

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			10.37				9.47	9.47
Aroclor-1262 {2}			10.88				9.98	9.98
Aroclor-1262 {3}			11.38				10.48	10.48
Aroclor-1262 {4}			11.47				10.47	10.47
Aroclor-1262 {5}			12.08				11.08	11.08
Aroclor-1268			11.38				10.38	10.38
Aroclor-1268 {2}			11.46				10.36	10.36
Aroclor-1268 {3}			11.72				10.62	10.62
Aroclor-1268 {4}			11.87				10.77	10.77
Aroclor-1268 {5}			12.95				11.85	11.85

# PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/03/2012      Instrument ID: GC-R  
 GC Column (1st): DB-5

Data File: R2317.D R2316.D R2315.D R2314.D R2313.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			17525688				
Aroclor-1262 {2}			29638775				
Aroclor-1262 {3}			11417295				
Aroclor-1262 {4}			11211241				
Aroclor-1262 {5}			8026484				
Aroclor-1268			32102927				
Aroclor-1268 {2}			27961472				
Aroclor-1268 {3}			23524487				
Aroclor-1268 {4}			5436485				
Aroclor-1268 {5}			59091331				

GC Column (2nd): DB-1701P

Data File: R2317.C R2316.C R2315.C R2314.C R2313.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			6981401				
Aroclor-1262 {2}			14077231				
Aroclor-1262 {3}			5235717				
Aroclor-1262 {4}			10133728				
Aroclor-1262 {5}			1994301				
Aroclor-1268			15051290				
Aroclor-1268 {2}			14571754				
Aroclor-1268 {3}			12197691				
Aroclor-1268 {4}			3103769				
Aroclor-1268 {5}			37540894				

# PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/14/2012

Instrument ID: GC-R

Data File: R2936.D

GC Column (1st):

DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.98	3.90	4.04	3532718	4062979	15.01
Aroclor-1016 {2}	4.87	4.80	4.94	4385724	5146750	17.35
Aroclor-1016 {3}	5.46	5.38	5.52	6450796	7392934	14.60
Aroclor-1016 {4}	5.99	5.92	6.06	3015338	3424753	13.58
Aroclor-1016 {5}	6.40	6.33	6.47	5538806	6031067	8.89
Aroclor-1260	9.25	8.35	10.15	14020044	15917380	13.53
Aroclor-1260 {2}	9.94	9.04	10.84	7415272	7942843	7.11
Aroclor-1260 {3}	10.42	9.51	11.31	25008604	25812456	3.21
Aroclor-1260 {4}	10.91	10.01	11.81	10392420	10896730	4.85
Aroclor-1260 {5}	11.98	11.08	12.88	4642340	4079045	12.13
<b>Average %D</b>						11.03

Data File: R2936.C

GC Column (2nd):

DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	4.30	4.24	4.38	2746355	2675649	2.57
Aroclor-1016 {2}	4.92	4.86	5.00	5452724	6165829	13.08
Aroclor-1016 {3}	5.69	5.63	5.77	12028338	13804937	14.77
Aroclor-1016 {4}	5.91	5.84	5.98	5029442	5714111	13.61
Aroclor-1016 {5}	6.09	6.02	6.16	3968810	4631558	16.70
Aroclor-1260	8.75	7.85	9.65	6315488	7279992	15.27
Aroclor-1260 {2}	9.16	8.26	10.06	7298547	8338341	14.25
Aroclor-1260 {3}	10.36	9.47	11.27	5040054	5899338	17.05
Aroclor-1260 {4}	10.87	9.98	11.78	10029157	11803391	17.69
Aroclor-1260 {5}	11.46	10.58	12.38	8122975	8876773	9.28
<b>Average %D</b>						13.43

# PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/15/2012

Instrument ID: GC-R

Data File: R2945.D

GC Column (1st):

DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.98	3.90	4.04	3532718	3759101	6.41
Aroclor-1016 {2}	4.88	4.80	4.94	4385724	4888899	11.47
Aroclor-1016 {3}	5.46	5.38	5.52	6450796	7508634	16.40
Aroclor-1016 {4}	5.99	5.92	6.06	3015338	3375905	11.96
Aroclor-1016 {5}	6.40	6.33	6.47	5538806	6331814	14.32
Aroclor-1260	9.26	8.35	10.15	14020044	16529823	17.90
Aroclor-1260 {2}	9.94	9.04	10.84	7415272	8350011	12.61
Aroclor-1260 {3}	10.42	9.51	11.31	25008604	27375650	9.46
Aroclor-1260 {4}	10.91	10.01	11.81	10392420	12074293	16.18
Aroclor-1260 {5}	11.98	11.08	12.88	4642340	4368078	5.91
<b>Average %D</b>						12.26

Data File: R2945.C

GC Column (2nd):

DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.30	4.24	4.38	2746355	2946378	7.28
Aroclor-1016 {2}	4.92	4.86	5.00	5452724	6201037	13.72
Aroclor-1016 {3}	5.69	5.63	5.77	12028338	13900085	15.56
Aroclor-1016 {4}	5.91	5.84	5.98	5029442	5897150	17.25
Aroclor-1016 {5}	6.09	6.02	6.16	3968810	4594873	15.77
Aroclor-1260	8.75	7.85	9.65	6315488	5789227	8.33
Aroclor-1260 {2}	9.16	8.26	10.06	7298547	6657879	8.78
Aroclor-1260 {3}	10.36	9.47	11.27	5040054	4854258	3.69
Aroclor-1260 {4}	10.87	9.98	11.78	10029157	10033991	0.05
Aroclor-1260 {5}	11.47	10.58	12.38	8122975	7028788	13.47
<b>Average %D</b>						10.39

# PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/15/2012

Instrument ID: GC-R

Data File: R2999.D

GC Column (1st):

DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.98	3.90	4.04	3532718	3654902	3.46
Aroclor-1016 {2}	4.88	4.80	4.94	4385724	5026348	14.61
Aroclor-1016 {3}	5.47	5.38	5.52	6450796	6692115	3.74
Aroclor-1016 {4}	6.00	5.92	6.06	3015338	3026623	0.37
Aroclor-1016 {5}	6.41	6.33	6.47	5538806	5348534	3.44
Aroclor-1260	9.26	8.35	10.15	14020044	15120633	7.85
Aroclor-1260 {2}	9.95	9.04	10.84	7415272	7678896	3.56
Aroclor-1260 {3}	10.43	9.51	11.31	25008604	22545055	9.85
Aroclor-1260 {4}	10.92	10.01	11.81	10392420	9677598	6.88
Aroclor-1260 {5}	11.99	11.08	12.88	4642340	4441545	4.33
Average %D						5.81

Data File: R2999.C

GC Column (2nd):

DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	4.32	4.24	4.38	2746355	2846697	3.65
Aroclor-1016 {2}	4.94	4.86	5.00	5452724	5479551	0.49
Aroclor-1016 {3}	5.71	5.63	5.77	12028338	12291017	2.18
Aroclor-1016 {4}	5.93	5.84	5.98	5029442	5223562	3.86
Aroclor-1016 {5}	6.11	6.02	6.16	3968810	4128399	4.02
Aroclor-1260	8.76	7.85	9.65	6315488	6102607	3.37
Aroclor-1260 {2}	9.17	8.26	10.06	7298547	6976114	4.42
Aroclor-1260 {3}	10.37	9.47	11.27	5040054	5067206	0.54
Aroclor-1260 {4}	10.88	9.98	11.78	10029157	10197092	1.67
Aroclor-1260 {5}	11.48	10.58	12.38	8122975	6950141	14.44
Average %D						3.87

# PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/15/2012

Instrument ID: GC-R

Data File: R3008.D

GC Column (1st):

DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.98	3.90	4.04	3532718	3285762	6.99
Aroclor-1016 {2}	4.87	4.80	4.94	4385724	4039610	7.89
Aroclor-1016 {3}	5.46	5.38	5.52	6450796	6123725	5.07
Aroclor-1016 {4}	5.99	5.92	6.06	3015338	2718060	9.86
Aroclor-1016 {5}	6.40	6.33	6.47	5538806	4910207	11.35
Aroclor-1260	9.25	8.35	10.15	14020044	16246193	15.88
Aroclor-1260 {2}	9.94	9.04	10.84	7415272	8515614	14.84
Aroclor-1260 {3}	10.42	9.51	11.31	25008604	29209727	16.80
Aroclor-1260 {4}	10.91	10.01	11.81	10392420	11502541	10.68
Aroclor-1260 {5}	11.98	11.08	12.88	4642340	5328504	14.78
Average %D						11.41

Data File: R3008.C

GC Column (2nd):

DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	4.30	4.24	4.38	2746355	2393352	12.85
Aroclor-1016 {2}	4.92	4.86	5.00	5452724	4639747	14.91
Aroclor-1016 {3}	5.69	5.63	5.77	12028338	10394804	13.58
Aroclor-1016 {4}	5.91	5.84	5.98	5029442	4567978	9.18
Aroclor-1016 {5}	6.09	6.02	6.16	3968810	3662927	7.71
Aroclor-1260	8.74	7.85	9.65	6315488	5705690	9.66
Aroclor-1260 {2}	9.16	8.26	10.06	7298547	6293371	13.77
Aroclor-1260 {3}	10.36	9.47	11.27	5040054	5299566	5.15
Aroclor-1260 {4}	10.87	9.98	11.78	10029157	9322055	7.05
Aroclor-1260 {5}	11.46	10.58	12.38	8122975	6784333	16.48
Average %D						11.03

# AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/19/2012      Instrument ID: GC-Y

Data File: Y0837.D      GC Column (1st): DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.28	3.21	3.35	1642902	1759496	7.10
Aroclor-1016 {2}	4.11	4.04	4.18	2274432	2297384	1.01
Aroclor-1016 {3}	4.66	4.59	4.73	3100344	3272484	5.55
Aroclor-1016 {4}	5.17	5.10	5.24	1496150	1620593	8.32
Aroclor-1016 {5}	5.56	5.49	5.63	2485801	2608864	4.95
Aroclor-1260	8.34	7.43	9.23	7263492	7355336	1.26
Aroclor-1260 {2}	9.01	8.11	9.91	3168969	2891486	8.76
Aroclor-1260 {3}	9.48	8.58	10.38	8252774	8098736	1.87
Aroclor-1260 {4}	9.96	9.06	10.86	4132782	4126370	0.16
Aroclor-1260 {5}	11.02	10.12	11.92	1683008	1665798	1.02
<b>Average %D</b>						<b>4.00</b>

Data File: Y0837.C      GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.78	3.72	3.86	640595	560057	12.57
Aroclor-1016 {2}	4.38	4.32	4.46	1272837	1101602	13.45
Aroclor-1016 {3}	5.13	5.07	5.21	2901089	2529442	12.81
Aroclor-1016 {4}	5.34	5.28	5.42	1246404	1051088	15.67
Aroclor-1016 {5}	5.51	5.45	5.59	971379	834391	14.10
Aroclor-1260	7.87	6.99	8.79	1075405	921979	14.27
Aroclor-1260 {2}	8.13	7.24	9.04	1584623	1354013	14.55
Aroclor-1260 {3}	9.72	8.83	10.63	1324822	1214084	8.36
Aroclor-1260 {4}	10.22	9.34	11.14	2885884	2648577	8.22
Aroclor-1260 {5}	10.81	9.93	11.73	2032527	1941592	4.47
<b>Average %D</b>						<b>11.85</b>

# AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/20/2012      Instrument ID: GC-Y

Data File: Y0862.D      GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.28	3.21	3.35	1642902	1861715	13.32
Aroclor-1016 {2}	4.11	4.04	4.18	2274432	2405849	5.78
Aroclor-1016 {3}	4.66	4.59	4.73	3100344	3450168	11.28
Aroclor-1016 {4}	5.17	5.10	5.24	1496150	1708667	14.20
Aroclor-1016 {5}	5.56	5.49	5.63	2485801	2768212	11.36
Aroclor-1260	8.34	7.43	9.23	7263492	8167075	12.44
Aroclor-1260 {2}	9.01	8.11	9.91	3168969	3179159	0.32
Aroclor-1260 {3}	9.48	8.58	10.38	8252774	9171889	11.14
Aroclor-1260 {4}	9.96	9.06	10.86	4132782	4425884	7.09
Aroclor-1260 {5}	11.02	10.12	11.92	1683008	1789378	6.32
<b>Average %D</b>						<b>9.33</b>

Data File: Y0862.C      GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.78	3.72	3.86	640595	577293	9.88
Aroclor-1016 {2}	4.38	4.32	4.46	1272837	1124337	11.67
Aroclor-1016 {3}	5.13	5.07	5.21	2901089	2581691	11.01
Aroclor-1016 {4}	5.34	5.28	5.42	1246404	1073822	13.85
Aroclor-1016 {5}	5.51	5.45	5.59	971379	856480	11.83
Aroclor-1260	7.87	6.99	8.79	1075405	972891	9.53
Aroclor-1260 {2}	8.13	7.24	9.04	1584623	1440569	9.09
Aroclor-1260 {3}	9.72	8.83	10.63	1324822	1286087	2.92
Aroclor-1260 {4}	10.22	9.34	11.14	2885884	2773501	3.89
Aroclor-1260 {5}	10.81	9.93	11.73	2032527	2048204	0.77
<b>Average %D</b>						<b>8.44</b>

# AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/20/2012      Instrument ID: GC-Y

Data File: Y0888.D      GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.28	3.21	3.35	1642902	1860716	13.26
Aroclor-1016 {2}	4.11	4.04	4.18	2274432	2633499	15.79
Aroclor-1016 {3}	4.66	4.59	4.73	3100344	3063126	1.20
Aroclor-1016 {4}	5.16	5.10	5.24	1496150	1621890	8.40
Aroclor-1016 {5}	5.56	5.49	5.63	2485801	2523850	1.53
Aroclor-1260	8.34	7.43	9.23	7263492	8173111	12.52
Aroclor-1260 {2}	9.01	8.11	9.91	3168969	3099989	2.18
Aroclor-1260 {3}	9.48	8.58	10.38	8252774	8569844	3.84
Aroclor-1260 {4}	9.96	9.06	10.86	4132782	4026599	2.57
Aroclor-1260 {5}	11.02	10.12	11.92	1683008	1505242	10.56
<b>Average %D</b>						<b>7.19</b>

Data File: Y0888.C      GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.79	3.72	3.86	640595	601231	6.14
Aroclor-1016 {2}	4.39	4.32	4.46	1272837	1175122	7.68
Aroclor-1016 {3}	5.14	5.07	5.21	2901089	2725339	6.06
Aroclor-1016 {4}	5.35	5.28	5.42	1246404	1127884	9.51
Aroclor-1016 {5}	5.53	5.45	5.59	971379	903359	7.00
Aroclor-1260	7.88	6.99	8.79	1075405	1131654	5.23
Aroclor-1260 {2}	8.14	7.24	9.04	1584623	1458959	7.93
Aroclor-1260 {3}	9.73	8.83	10.63	1324822	1205776	8.99
Aroclor-1260 {4}	10.23	9.34	11.14	2885884	2501587	13.32
Aroclor-1260 {5}	10.82	9.93	11.73	2032527	1723239	15.22
<b>Average %D</b>						<b>8.71</b>

# AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/20/2012      Instrument ID: GC-Y

Data File: Y0898.D      GC Column (1st): DB-5

Compound	RT	RT WI NDOW	FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.28	3.21	3.35	1642902	1897030	15.47	
Aroclor-1016 {2}	4.11	4.04	4.18	2274432	2437166	7.15	
Aroclor-1016 {3}	4.66	4.59	4.73	3100344	3488899	12.53	
Aroclor-1016 {4}	5.17	5.10	5.24	1496150	1773058	18.51	
Aroclor-1016 {5}	5.56	5.49	5.63	2485801	2792245	12.33	
Aroclor-1260	8.34	7.43	9.23	7263492	7685193	5.81	
Aroclor-1260 {2}	9.01	8.11	9.91	3168969	2814001	11.20	
Aroclor-1260 {3}	9.48	8.58	10.38	8252774	8210347	0.51	
Aroclor-1260 {4}	9.96	9.06	10.86	4132782	3939223	4.68	
Aroclor-1260 {5}	11.02	10.12	11.92	1683008	1512308	10.14	
<b>Average %D</b>						<b>9.83</b>	

Data File: Y0898.C      GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW	FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.78	3.72	3.86	640595	603208	5.84	
Aroclor-1016 {2}	4.38	4.32	4.46	1272837	1181975	7.14	
Aroclor-1016 {3}	5.13	5.07	5.21	2901089	2721632	6.19	
Aroclor-1016 {4}	5.34	5.28	5.42	1246404	1129995	9.34	
Aroclor-1016 {5}	5.51	5.45	5.59	971379	904487	6.89	
Aroclor-1260	7.87	6.99	8.79	1075405	1008120	6.26	
Aroclor-1260 {2}	8.13	7.24	9.04	1584623	1485937	6.23	
Aroclor-1260 {3}	9.72	8.83	10.63	1324822	1265229	4.50	
Aroclor-1260 {4}	10.22	9.34	11.14	2885884	2682349	7.05	
Aroclor-1260 {5}	10.81	9.93	11.73	2032527	1890493	6.99	
<b>Average %D</b>						<b>6.64</b>	

# AROCLOL CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/20/2012

Instrument ID: GC-Y

Data File: Y0899.D

GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.28	3.21	3.35	1642902	1923052	17.05
Aroclor-1016 {2}	4.11	4.04	4.18	2274432	2466989	8.47
Aroclor-1016 {3}	4.66	4.59	4.73	3100344	3548544	14.46
Aroclor-1016 {4}	5.17	5.10	5.24	1496150	1531765	2.38
Aroclor-1016 {5}	5.56	5.49	5.63	2485801	2824815	13.64
Aroclor-1260	8.34	7.43	9.23	7263492	7865662	8.29
Aroclor-1260 {2}	9.01	8.11	9.91	3168969	3088845	2.53
Aroclor-1260 {3}	9.48	8.58	10.38	8252774	8508546	3.10
Aroclor-1260 {4}	9.96	9.06	10.86	4132782	4128034	0.11
Aroclor-1260 {5}	11.02	10.12	11.92	1683008	1722690	2.36
<b>Average %D</b>						<b>7.24</b>

Data File: Y0899.C

GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.78	3.72	3.86	640595	610849	4.64
Aroclor-1016 {2}	4.38	4.32	4.46	1272837	1198471	5.84
Aroclor-1016 {3}	5.13	5.07	5.21	2901089	2753823	5.08
Aroclor-1016 {4}	5.34	5.28	5.42	1246404	1142925	8.30
Aroclor-1016 {5}	5.51	5.45	5.59	971379	913989	5.91
Aroclor-1260	7.87	6.99	8.79	1075405	1014597	5.65
Aroclor-1260 {2}	8.13	7.24	9.04	1584623	1500448	5.31
Aroclor-1260 {3}	9.72	8.83	10.63	1324822	1314926	0.75
Aroclor-1260 {4}	10.22	9.34	11.14	2885884	2842617	1.50
Aroclor-1260 {5}	10.81	9.93	11.73	2032527	2094712	3.06
<b>Average %D</b>						<b>4.60</b>

# AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/21/2012      Instrument ID: GC-Y

Data File: Y0909.D      GC Column (1st): DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.28	3.21	3.35	1642902	1847413	12.45
Aroclor-1016 {2}	4.11	4.04	4.18	2274432	2559123	12.52
Aroclor-1016 {3}	4.66	4.59	4.73	3100344	3673500	18.49
Aroclor-1016 {4}	5.17	5.10	5.24	1496150	1573131	5.15
Aroclor-1016 {5}	5.56	5.49	5.63	2485801	2738178	10.15
Aroclor-1260	8.34	7.43	9.23	7263492	8472063	16.64
Aroclor-1260 {2}	9.01	8.11	9.91	3168969	3277181	3.41
Aroclor-1260 {3}	9.48	8.58	10.38	8252774	9234846	11.90
Aroclor-1260 {4}	9.96	9.06	10.86	4132782	4442455	7.49
Aroclor-1260 {5}	11.02	10.12	11.92	1683008	1973652	17.27
<b>Average %D</b>						<b>11.55</b>

Data File: Y0909.C      GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.78	3.72	3.86	640595	628636	1.87
Aroclor-1016 {2}	4.38	4.32	4.46	1272837	1234855	2.98
Aroclor-1016 {3}	5.13	5.07	5.21	2901089	2847188	1.86
Aroclor-1016 {4}	5.34	5.28	5.42	1246404	1183520	5.05
Aroclor-1016 {5}	5.51	5.45	5.59	971379	946368	2.57
Aroclor-1260	7.87	6.99	8.79	1075405	1072605	0.26
Aroclor-1260 {2}	8.13	7.24	9.04	1584623	1586302	0.11
Aroclor-1260 {3}	9.72	8.83	10.63	1324822	1394081	5.23
Aroclor-1260 {4}	10.22	9.34	11.14	2885884	2987766	3.53
Aroclor-1260 {5}	10.81	9.93	11.73	2032527	2139993	5.29
<b>Average %D</b>						<b>2.87</b>

# AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/21/2012      Instrument ID: GC-Y

Data File: Y0916.D      GC Column (1st): DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.28	3.21	3.35	1642902	1706536	3.87
Aroclor-1016 {2}	4.11	4.04	4.18	2274432	2591618	13.95
Aroclor-1016 {3}	4.66	4.59	4.73	3100344	3294740	6.27
Aroclor-1016 {4}	5.17	5.10	5.24	1496150	1551162	3.68
Aroclor-1016 {5}	5.56	5.49	5.63	2485801	2663649	7.15
Aroclor-1260	8.34	7.43	9.23	7263492	8474302	16.67
Aroclor-1260 {2}	9.01	8.11	9.91	3168969	3236432	2.13
Aroclor-1260 {3}	9.48	8.58	10.38	8252774	9205399	11.54
Aroclor-1260 {4}	9.96	9.06	10.86	4132782	4358648	5.47
Aroclor-1260 {5}	11.02	10.12	11.92	1683008	1667097	0.95
<b>Average %D</b>						7.17

Data File: Y0916.C      GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.78	3.72	3.86	640595	639440	0.18
Aroclor-1016 {2}	4.38	4.32	4.46	1272837	1252265	1.62
Aroclor-1016 {3}	5.13	5.07	5.21	2901089	2882162	0.65
Aroclor-1016 {4}	5.34	5.28	5.42	1246404	1198481	3.84
Aroclor-1016 {5}	5.51	5.45	5.59	971379	960099	1.16
Aroclor-1260	7.87	6.99	8.79	1075405	1084117	0.81
Aroclor-1260 {2}	8.13	7.24	9.04	1584623	1595857	0.71
Aroclor-1260 {3}	9.72	8.83	10.63	1324822	1386320	4.64
Aroclor-1260 {4}	10.22	9.34	11.14	2885884	2958959	2.53
Aroclor-1260 {5}	10.81	9.93	11.73	2032527	2102448	3.44
<b>Average %D</b>						1.96

# AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/21/2012

Instrument ID: GC-Y

Data File: Y0941.D

GC Column (1st): DB-5

Compound	RT	RT WI NDW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.28	3.21	3.35	1642902	1933021	17.66
Aroclor-1016 {2}	4.11	4.04	4.18	2274432	2489248	9.44
Aroclor-1016 {3}	4.67	4.59	4.73	3100344	3610562	16.46
Aroclor-1016 {4}	5.17	5.10	5.24	1496150	1648991	10.22
Aroclor-1016 {5}	5.56	5.49	5.63	2485801	2910514	17.09
Aroclor-1260	8.34	7.43	9.23	7263492	8385562	15.45
Aroclor-1260 {2}	9.01	8.11	9.91	3168969	3188972	0.63
Aroclor-1260 {3}	9.48	8.58	10.38	8252774	9387106	13.74
Aroclor-1260 {4}	9.96	9.06	10.86	4132782	4604485	11.41
Aroclor-1260 {5}	11.02	10.12	11.92	1683008	1820410	8.16
<b>Average %D</b>						<b>12.03</b>

Data File: Y0941.C

GC Column (2nd): DB-1701P

Compound	RT	RT WI NDW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.78	3.72	3.86	640595	592470	7.51
Aroclor-1016 {2}	4.38	4.32	4.46	1272837	1169756	8.10
Aroclor-1016 {3}	5.13	5.07	5.21	2901089	2717600	6.32
Aroclor-1016 {4}	5.34	5.28	5.42	1246404	1121629	10.01
Aroclor-1016 {5}	5.51	5.45	5.59	971379	901111	7.23
Aroclor-1260	7.87	6.99	8.79	1075405	1007221	6.34
Aroclor-1260 {2}	8.13	7.24	9.04	1584623	1482846	6.42
Aroclor-1260 {3}	9.72	8.83	10.63	1324822	1267321	4.34
Aroclor-1260 {4}	10.22	9.34	11.14	2885884	2705558	6.25
Aroclor-1260 {5}	10.81	9.93	11.73	2032527	1919039	5.58
<b>Average %D</b>						<b>6.81</b>

# AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/21/2012      Instrument ID: GC-Y

Data File: Y0942.D      GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.28	3.21	3.35	1642902	1926711	17.27
Aroclor-1016 {2}	4.11	4.04	4.18	2274432	2591048	13.92
Aroclor-1016 {3}	4.66	4.59	4.73	3100344	3608181	16.38
Aroclor-1016 {4}	5.17	5.10	5.24	1496150	1559877	4.26
Aroclor-1016 {5}	5.56	5.49	5.63	2485801	2875468	15.68
Aroclor-1260	8.34	7.43	9.23	7263492	8345472	14.90
Aroclor-1260 {2}	9.01	8.11	9.91	3168969	3500983	10.48
Aroclor-1260 {3}	9.48	8.58	10.38	8252774	9177060	11.20
Aroclor-1260 {4}	9.96	9.06	10.86	4132782	4126538	0.15
Aroclor-1260 {5}	11.02	10.12	11.92	1683008	1845933	9.68
Average %D					11.39	

Data File: Y0942.C      GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.78	3.72	3.86	640595	569814	11.05
Aroclor-1016 {2}	4.38	4.32	4.46	1272837	1125448	11.58
Aroclor-1016 {3}	5.13	5.07	5.21	2901089	2589248	10.75
Aroclor-1016 {4}	5.34	5.28	5.42	1246404	1096627	12.02
Aroclor-1016 {5}	5.52	5.45	5.59	971379	855317	11.95
Aroclor-1260	7.87	6.99	8.79	1075405	951081	11.56
Aroclor-1260 {2}	8.13	7.24	9.04	1584623	1403526	11.43
Aroclor-1260 {3}	9.72	8.83	10.63	1324822	1243875	6.11
Aroclor-1260 {4}	10.22	9.34	11.14	2885884	2640478	8.50
Aroclor-1260 {5}	10.81	9.93	11.73	2032527	1896601	6.69
Average %D					10.16	

# AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/21/2012      Instrument ID: GC-Y

Data File: Y0953.D      GC Column (1st): DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.28	3.21	3.35	1642902	1884448	14.70
Aroclor-1016 {2}	4.11	4.04	4.18	2274432	2515433	10.60
Aroclor-1016 {3}	4.67	4.59	4.73	3100344	3511492	13.26
Aroclor-1016 {4}	5.17	5.10	5.24	1496150	1774146	18.58
Aroclor-1016 {5}	5.56	5.49	5.63	2485801	2808088	12.97
Aroclor-1260	8.34	7.43	9.23	7263492	8341760	14.85
Aroclor-1260 {2}	9.01	8.11	9.91	3168969	3540252	11.72
Aroclor-1260 {3}	9.48	8.58	10.38	8252774	9279197	12.44
Aroclor-1260 {4}	9.97	9.06	10.86	4132782	4418642	6.92
Aroclor-1260 {5}	11.02	10.12	11.92	1683008	1747723	3.85
<b>Average %D</b>						<b>11.99</b>

Data File: Y0953.C      GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.78	3.72	3.86	640595	591436	7.67
Aroclor-1016 {2}	4.38	4.32	4.46	1272837	1144124	10.11
Aroclor-1016 {3}	5.13	5.07	5.21	2901089	2632435	9.26
Aroclor-1016 {4}	5.34	5.28	5.42	1246404	1123019	9.90
Aroclor-1016 {5}	5.51	5.45	5.59	971379	876261	9.79
Aroclor-1260	7.87	6.99	8.79	1075405	1000660	6.95
Aroclor-1260 {2}	8.13	7.24	9.04	1584623	1481270	6.52
Aroclor-1260 {3}	9.72	8.83	10.63	1324822	1277471	3.57
Aroclor-1260 {4}	10.22	9.34	11.14	2885884	2710328	6.08
Aroclor-1260 {5}	10.81	9.93	11.73	2032527	1896567	6.69
<b>Average %D</b>						<b>7.66</b>

# AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/22/2012      Instrument ID: GC-Y

Data File: Y1007.D      GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.28	3.21	3.35	1642902	1795223	9.27
Aroclor-1016 {2}	4.11	4.04	4.18	2274432	2289847	0.68
Aroclor-1016 {3}	4.66	4.59	4.73	3100344	3158014	1.86
Aroclor-1016 {4}	5.16	5.10	5.24	1496150	1736463	16.06
Aroclor-1016 {5}	5.56	5.49	5.63	2485801	2680915	7.85
Aroclor-1260	8.34	7.43	9.23	7263492	8180867	12.63
Aroclor-1260 {2}	9.01	8.11	9.91	3168969	3178251	0.29
Aroclor-1260 {3}	9.48	8.58	10.38	8252774	8589768	4.08
Aroclor-1260 {4}	9.96	9.06	10.86	4132782	4016250	2.82
Aroclor-1260 {5}	11.02	10.12	11.92	1683008	1736646	3.19
<b>Average %D</b>						<b>5.87</b>

Data File: Y1007.C      GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.79	3.72	3.86	640595	629742	1.69
Aroclor-1016 {2}	4.39	4.32	4.46	1272837	1207312	5.15
Aroclor-1016 {3}	5.14	5.07	5.21	2901089	2791796	3.77
Aroclor-1016 {4}	5.35	5.28	5.42	1246404	1161656	6.80
Aroclor-1016 {5}	5.53	5.45	5.59	971379	924969	4.78
Aroclor-1260	7.88	6.99	8.79	1075405	1145424	6.51
Aroclor-1260 {2}	8.14	7.24	9.04	1584623	1468795	7.31
Aroclor-1260 {3}	9.72	8.83	10.63	1324822	1196109	9.72
Aroclor-1260 {4}	10.23	9.34	11.14	2885884	2445947	15.24
Aroclor-1260 {5}	10.82	9.93	11.73	2032527	1691803	16.76
<b>Average %D</b>						<b>7.77</b>

# AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 08/22/2012      Instrument ID: GC-Y

Data File: Y1012.D      GC Column (1st): DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.28	3.21	3.35	1642902	1806252	9.94
Aroclor-1016 {2}	4.11	4.04	4.18	2274432	2364330	3.95
Aroclor-1016 {3}	4.67	4.59	4.73	3100344	3389432	9.32
Aroclor-1016 {4}	5.17	5.10	5.24	1496150	1771270	18.39
Aroclor-1016 {5}	5.56	5.49	5.63	2485801	2724225	9.59
Aroclor-1260	8.34	7.43	9.23	7263492	8113820	11.71
Aroclor-1260 {2}	9.01	8.11	9.91	3168969	3270577	3.21
Aroclor-1260 {3}	9.48	8.58	10.38	8252774	9124618	10.56
Aroclor-1260 {4}	9.96	9.06	10.86	4132782	4345212	5.14
Aroclor-1260 {5}	11.02	10.12	11.92	1683008	1723300	2.39
<b>Average %D</b>						<b>8.42</b>

Data File: Y1012.C      GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.78	3.72	3.86	640595	569093	11.16
Aroclor-1016 {2}	4.38	4.32	4.46	1272837	1101280	13.48
Aroclor-1016 {3}	5.13	5.07	5.21	2901089	2540429	12.43
Aroclor-1016 {4}	5.34	5.28	5.42	1246404	1080310	13.33
Aroclor-1016 {5}	5.51	5.45	5.59	971379	852875	12.20
Aroclor-1260	7.87	6.99	8.79	1075405	974625	9.37
Aroclor-1260 {2}	8.13	7.24	9.04	1584623	1449646	8.52
Aroclor-1260 {3}	9.71	8.83	10.63	1324822	1251464	5.54
Aroclor-1260 {4}	10.22	9.34	11.14	2885884	2660038	7.83
Aroclor-1260 {5}	10.81	9.93	11.73	2032527	1866717	8.16
<b>Average %D</b>						<b>10.20</b>

## PCB RETENTION TIME SHIFT SUMMARY

**Instrument ID:** GC-R

**Column:** DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1	<u>3.48</u>	DCB 1	<u>13.10</u>	TCMX 2	<u>3.39</u>	DCB 2	<u>13.17</u>
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Client ID	Sample ID	Lab	Date Analyzed	Time Analyzed	TCMX 1 RT #	DCB 1 RT #	TCMX 2 RT #	DCB 2 RT #
PCB	BLKA120808-12		08/14/2012	23:06	3.48	13.10	3.39	13.17
MW-1	07724-001		08/14/2012	23:24	3.47	13.10	3.39	13.18
MW-2	07724-002		08/14/2012	23:41	3.47	13.11	3.39	13.18
MW-3	07724-003		08/14/2012	23:59	3.47	13.10	3.38	13.18
FB-25	07780-050		08/15/2012	00:16	3.48	13.10	3.39	13.17
PCB	07724-001MS		08/15/2012	00:33	3.49	13.10	3.40	13.17
PCB	07724-001MSD		08/15/2012	00:51	3.47	13.10	3.39	13.17
PCB	LCSA120808-12		08/15/2012	19:14	3.48	13.10	3.39	13.17

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

(  $\pm$  0.10 Minutes )

DCB = Decachlorobiphenyl

(  $\pm$  0.10 Minutes )

# Column to be used to flag recovery values

\* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

## PCB RETENTION TIME SHIFT SUMMARY

**Instrument ID:** GC-Y

**Column:** DB-5/DB-1701P

Surrogate RT from initial calibration :

**TCMX 1**    **2.82**                  **DCB 1**    **12.10**    **TCMX 2**    **2.91**                  **DCB 2**    **12.49**

Client ID	Lab	Date	Time	TCMX 1	DCB 1	TCMX 2	DCB 2
	Sample ID	Analyzed	Analyzed	RT #	RT #	RT #	RT #
PCB	BLKS120814-01	08/19/2012	20:15	2.82	12.10	2.91	12.49
Y-40(5.0-5)	08167-001	08/19/2012	20:32	0.00	D	0.00	D
Y-40(5.5-6)	08167-002	08/19/2012	20:49	2.82	12.10	2.91	12.49
Y-40(6.0-6)	08167-003	08/19/2012	21:06	2.82	12.10	2.91	12.49
Y-40(7.0-7)	08167-004	08/19/2012	21:24	2.82	12.11	2.91	12.49
Z-41(5.5-6)	08167-005	08/19/2012	21:41	2.82	12.11	2.91	12.49
Z-41(6.0-6)	08167-006	08/19/2012	21:58	2.82	12.10	2.91	12.49
Z-41(7.0-7)	08167-007	08/19/2012	22:15	2.82	12.10	2.91	12.49
Z-40(5.5-6)	08167-008	08/19/2012	22:32	2.82	12.10	2.91	12.49
Z-40(6.0-6)	08167-009	08/19/2012	22:50	2.82	12.11	2.91	12.49
Z-40(7.0-7)	08167-010	08/19/2012	23:07	2.82	12.11	2.91	12.49
Z-38(5.5-6)	08167-011	08/19/2012	23:24	2.82	12.10	2.91	12.49
Z-38(6.0-6)	08167-012	08/19/2012	23:41	2.82	12.10	2.91	12.49
Z-38(7.0-7)	08167-013	08/19/2012	23:58	2.82	12.10	2.91	12.49
N-44(6.0-6)	08167-016	08/20/2012	00:50	2.82	12.10	2.91	12.49
N-44(7.0-7)	08167-017	08/20/2012	01:07	2.82	12.11	2.91	12.49
K-39(5.0-5)	08167-018	08/20/2012	01:24	2.82	12.10	2.91	12.49
K-39(6.0-6)	08167-019	08/20/2012	01:41	2.82	12.10	2.91	12.49
K-39(7.0-7)	08167-020	08/20/2012	02:03	2.82	12.11	2.92	12.50
PCB	08167-020MS	08/20/2012	02:22	2.82	12.10	2.91	12.49
PCB	08167-020MSD	08/20/2012	02:39	2.82	12.11	2.91	12.49
PCB	LCSS120814-01	08/20/2012	02:57	2.82	12.11	2.91	12.49
N-44(5.0-5)	08167-014	08/20/2012	18:32	0.00	D	0.00	D
N-44(5.5-6)	08167-015	08/20/2012	18:49	2.82	12.11	2.91	12.49

## Surrogate QC Limits

**TCMX = Tetrachloro-m-xylene**

(  $\pm$  0.10 Minutes )

**DCB = Decachlorobiphenyl**

(  $\pm$  0.10 Minutes )

# Column to be used to flag recovery values

\* Values outside of QC limits

D Surrogate diluted out

### M Matrix interference

## **PCB RETENTION TIME SHIFT SUMMARY**

**Instrument ID:** GC-Y

**Column:** DB-5/DB-1701P

### Surrogate RT from initial calibration :

**TCMX 1**    **2.82**                  **DCB 1**    **12.10**    **TCMX 2**    **2.91**                  **DCB 2**    **12.49**

	Lab	Date	Time	TCMX 1	DCB 1	TCMX 2	DCB 2
Client ID	Sample ID	Analyzed	Analyzed	RT #	RT #	RT #	RT #
PCB	BLKA120816-18	08/20/2012	22:50	2.82	12.10	2.91	12.49
SAMPLE_1	08066-001	08/20/2012	23:07	2.82	12.10	2.91	12.49
MW-3	08136-001	08/20/2012	23:24	2.82	12.10	2.91	12.49
FB	08136-003	08/20/2012	23:41	2.83	12.10	2.91	12.49
FB2	08212-038	08/20/2012	23:58	2.82	12.11	2.91	12.49
FB-30	08167-040	08/21/2012	00:33	2.82	12.10	2.91	12.49
BUR-V12-01	08210-003	08/21/2012	00:50	2.82	12.10	2.91	12.49
PCB	LCSA120816-18	08/21/2012	01:07	2.82	12.10	2.91	12.49

## Surrogate QC Limits

**DCB = Decachlorobiphenyl** ( ± 0.10 Minutes )

# Column to be used to flag recovery values

\* Values outside of QC limits

## D Surrogate diluted out

### M Matrix interference

# PCB RETENTION TIME SHIFT SUMMARY

**Instrument ID:** GC-Y

**Column:** DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1	<u>2.82</u>	DCB 1	<u>12.10</u>	TCMX 2	<u>2.91</u>	DCB 2	<u>12.49</u>
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Client ID	Lab	Date Analyzed	Time Analyzed	TCMX 1 RT #	DCB 1 RT #	TCMX 2 RT #	DCB 2 RT #
PCB	BLKS120814-03	08/21/2012	03:42	2.82	12.10	2.91	12.49
I-38(5.0-5	08167-021	08/21/2012	03:59	2.82	12.10	2.91	12.49
I-38(6.0-6	08167-022	08/21/2012	04:16	2.82	12.11	2.91	12.49
I-38(7.0-7	08167-023	08/21/2012	04:34	2.82	12.11	2.91	12.49
Y-33(2.0-2	08167-025	08/21/2012	05:08	0.00 D	0.00 D	0.00 D	0.00 D
Y-33(3.25-	08167-027	08/21/2012	05:42	2.82	12.11	2.91	12.49
Y-33(4.25-	08167-028	08/21/2012	05:59	2.82	12.11	2.91	12.49
R-17(0-2.0	08167-029	08/21/2012	06:16	2.82	12.10	2.91	12.49
Q-17(4.5-6	08167-036	08/21/2012	08:17	2.82	12.10	2.91	12.49
P-17(0-2.0	08167-037	08/21/2012	08:34	2.82	12.10	2.91	12.49
P-17(4.0-6	08167-039	08/21/2012	09:08	2.82	12.10	2.91	12.49
R-40(7.0-7	08092-041	08/21/2012	09:25	2.82	12.10	2.91	12.49
PCB	08167-039MS	08/21/2012	09:43	2.82	12.10	2.91	12.49
PCB	08167-039MSD	08/21/2012	10:00	2.82	12.10	2.91	12.49
PCB	LCSS120814-03	08/21/2012	10:17	2.82	12.11	2.91	12.49
Y-33(0-2.0	08167-024	08/21/2012	19:09	0.00 D	0.00 D	0.00 D	0.00 D
Y-33(2.5-3	08167-026	08/21/2012	19:26	0.00 D	0.00 D	0.00 D	0.00 D
R-17(2.0-4	08167-030	08/21/2012	19:44	0.00 D	0.00 D	0.00 D	0.00 D
R-17(4.0-5	08167-031	08/21/2012	20:01	0.00 D	0.00 D	0.00 D	0.00 D
R-17(5.0-6	08167-032	08/21/2012	20:18	2.82	12.10	2.91	12.49
Q-17(0-2.0	08167-033	08/21/2012	20:35	0.00 D	0.00 D	0.00 D	0.00 D
Q-17(4.0-4	08167-035	08/21/2012	21:09	0.00 D	0.00 D	0.00 D	0.00 D
Q-17(2.0-3	08167-034	08/22/2012	18:20	0.00 D	0.00 D	0.00 D	0.00 D
P-17(2.0-4	08167-038	08/22/2012	18:37	0.00 D	0.00 D	0.00 D	0.00 D

Surrogate QC Limits

**TCMX = Tetrachloro-m-xylene** ( $\pm$  0.10 Minutes)

**DCB = Decachlorobiphenyl** ( $\pm$  0.10 Minutes)

# Column to be used to flag recovery values

\* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

**PCB SAMPLE DATA**

Data Path : C:\MSDCHEM\1\DATA\08-19-12\  
 Data File : Y0839.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 19 Aug 2012 20:32  
 Operator : YG  
 Sample : Y-40(5.0-5,08167-001,S,5.05g,60.0,08/14/12,4  
 Misc : 120814-01,08/10/12,08/10/12,1000  
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 27 14:27:10 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
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#### System Monitoring Compounds

Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	8.33	7.87	151.2E6	36318800	20.815m	33.772 #
34) L8 Aroclor-1260	{2}	9.01	8.13	101.0E6	43730802	31.859m
35) L8 Aroclor-1260	{3}	9.48	9.71	316.5E6	50126531	38.347m
36) L8 Aroclor-1260	{4}	9.97	10.22	120.2E6	105.8E6	29.077m
37) L8 Aroclor-1260	{5}	11.02	10.80	109.9E6	115.9E6	65.320m
Sum Aroclor-1260			798.7E6	351.9E6	185.419	57.027m
Average Aroclor-1260					37.084	192.885
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

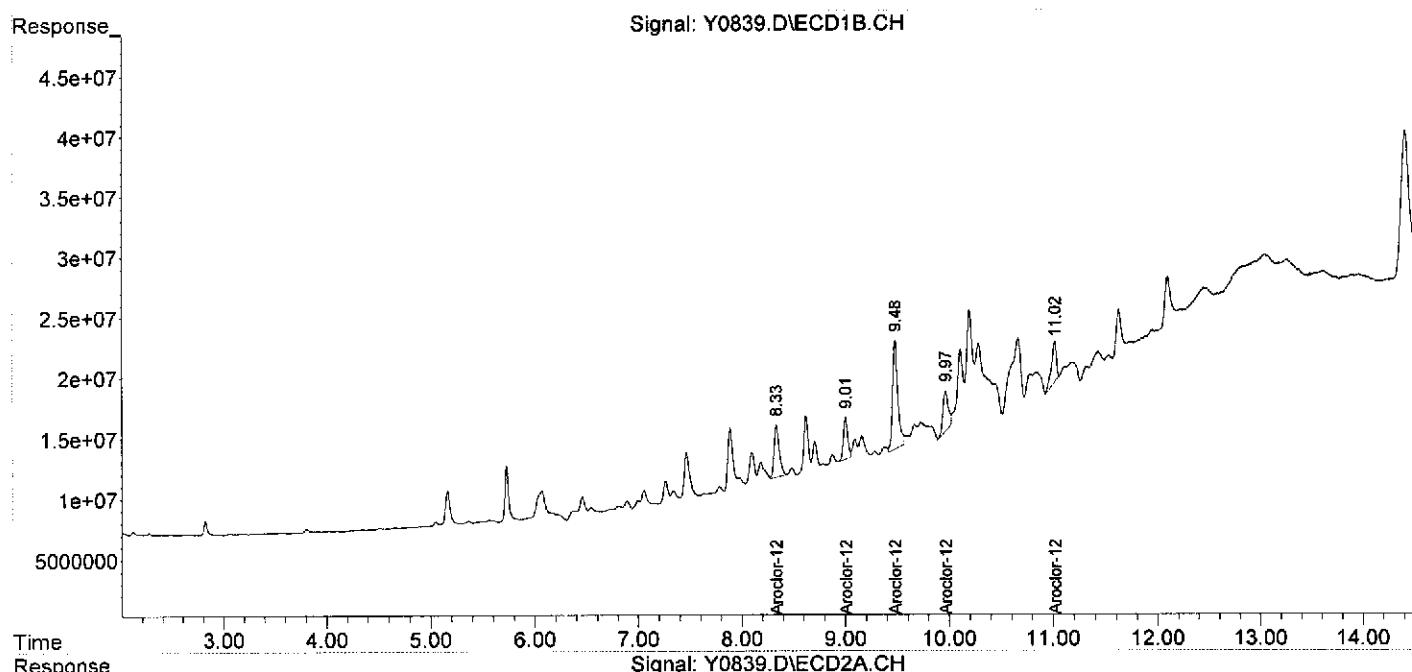
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-19-12\  
Data File : Y0839.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 19 Aug 2012 20:32  
Operator : YG  
Sample : Y-40(5.0-5,08167-001,S,5.05g,60.0,08/14/12,4  
Misc : 120814-01,08/10/12,08/10/12,1000  
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 27 14:27:10 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
Quant Title :  
QLast Update : Tue Jul 31 12:56:15 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-19-12\  
 Data File : Y0840.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 19 Aug 2012 20:49  
 Operator : YG  
 Sample : Y-40(5.5-6,08167-002,S,5.72g,19.8,08/14/12,4  
 Misc : 120814-01,08/10/12,08/10/12,1  
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 23 12:21:40 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
----------	------	------	--------	--------	------	------

System Monitoring Compounds

1) S TCMX	2.82	2.91	20177.5E6	6659.3E6	212.236	190.525
Spiked Amount	200.000				Recovery =	106.12%
2) S DCB	12.10	12.49	5229.8E6	1974.4E6	253.773	229.761
Spiked Amount	200.000				Recovery =	126.89%

Target Compounds

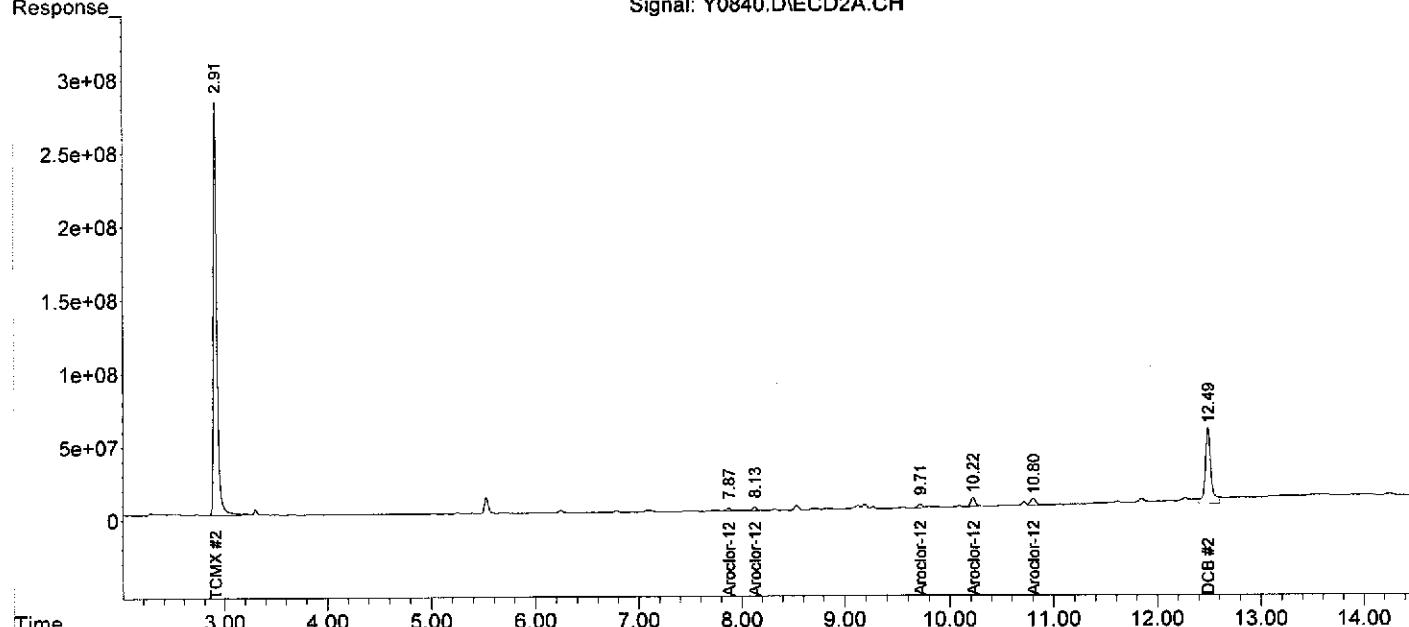
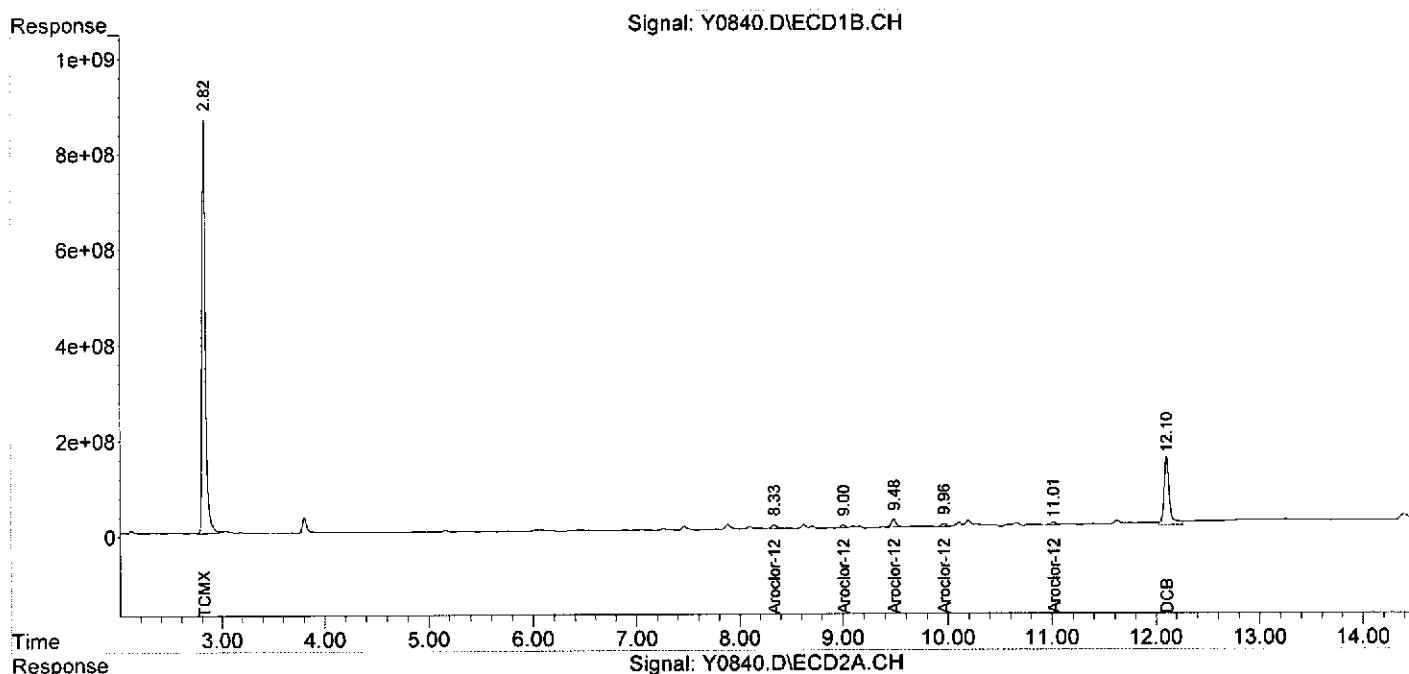
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	8.33	7.87	324.8E6	62818111	44.723m	58.413 #
34) L8 Aroclor-1260 {2}	9.00	8.13	160.4E6	77825316	50.607m	49.113
35) L8 Aroclor-1260 {3}	9.48	9.71	545.7E6	83144627	66.122m	62.759m
36) L8 Aroclor-1260 {4}	9.96	10.22	223.9E6	193.3E6	54.183m	66.994m
37) L8 Aroclor-1260 {5}	11.01	10.80	189.3E6	185.7E6	112.481m	91.374m
Sum Aroclor-1260			1444.1E6	602.8E6	328.117	328.653
Average Aroclor-1260					65.623	65.731
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\08-19-12\  
Data File : Y0840.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 19 Aug 2012 20:49  
Operator : YG  
Sample : Y-40(5.5-6,08167-002,S,5.72g,19.8,08/14/12,4  
Misc : 120814-01,08/10/12,08/10/12,1  
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 23 12:21:40 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
Quant Title :  
QLast Update : Tue Jul 31 12:56:15 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-19-12\  
 Data File : Y0841.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 19 Aug 2012 21:06  
 Operator : YG  
 Sample : Y-40(6.0-6,08167-003,S,5.27g,21.6,08/14/12,4  
 Misc : 120814-01,08/10/12,08/10/12,1  
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 23 12:23:43 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.91	20971.3E6	6611.9E6	220.587	189.169
Spiked Amount	200.000			Recovery	= 110.29%	94.58%
2) S DCB	12.10	12.49	4888.8E6	2224.7E6	237.227	258.881
Spiked Amount	200.000			Recovery	= 118.61%	129.44%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

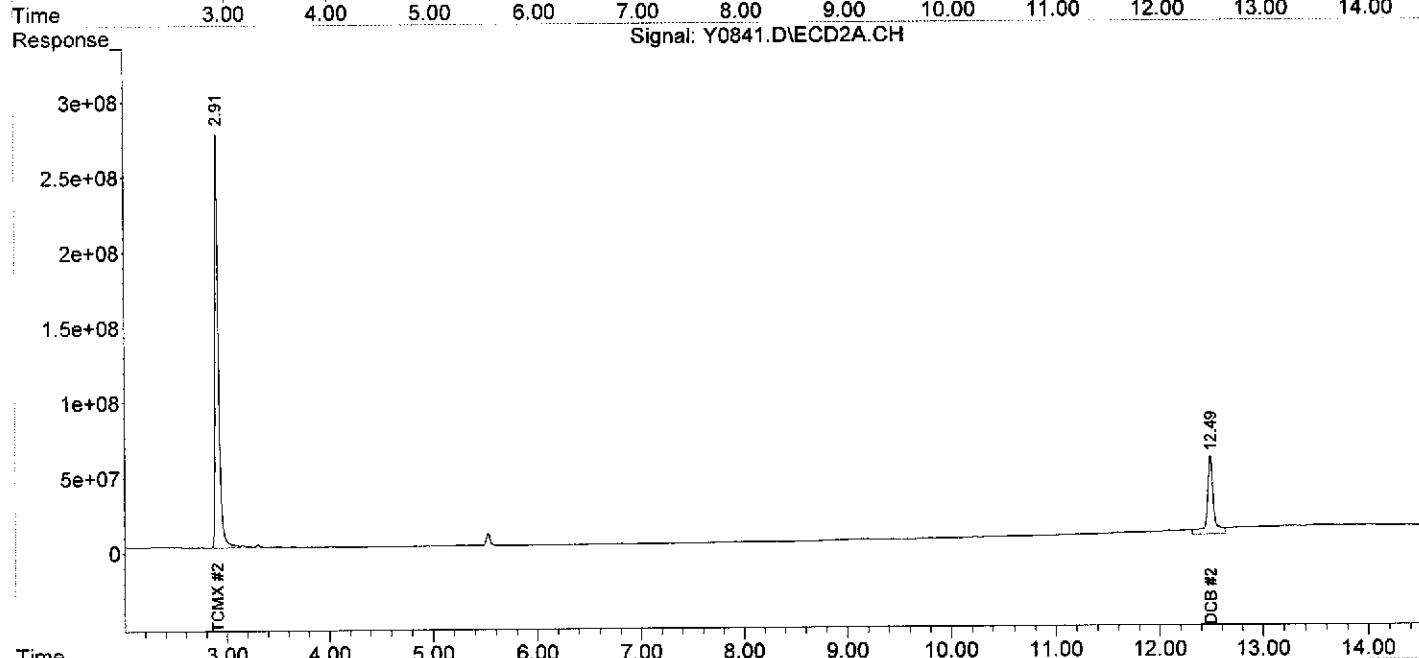
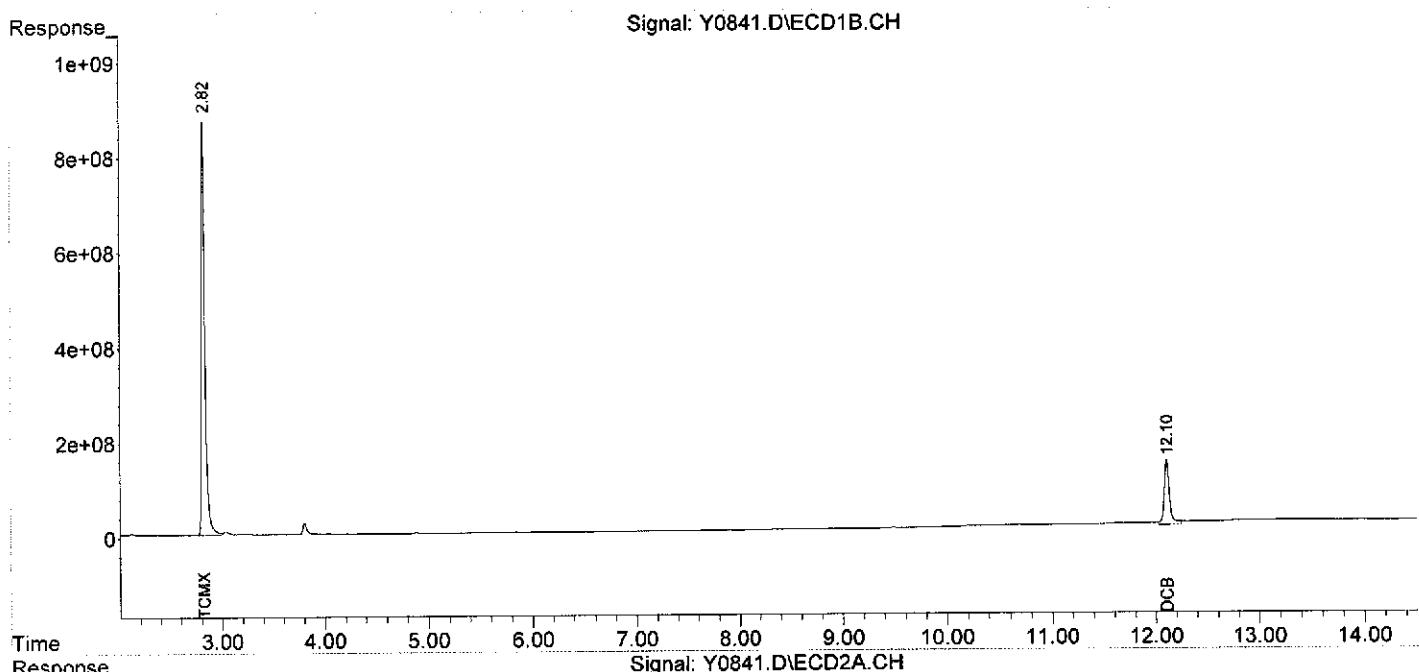
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-19-12\  
Data File : Y0841.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 19 Aug 2012 21:06  
Operator : YG  
Sample : Y-40(6.0-6,08167-003,S,5.27g,21.6,08/14/12,4  
Misc : 120814-01,08/10/12,08/10/12,1  
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 23 12:23:43 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
Quant Title :  
QLast Update : Tue Jul 31 12:56:15 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-19-12\  
 Data File : Y0843.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 19 Aug 2012 21:41  
 Operator : YG  
 Sample : Z-41(5.5-6,08167-005,S,5.50g,25.9,08/14/12,4  
 Misc : 120814-01,08/10/12,08/10/12,1  
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 27 14:49:51 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

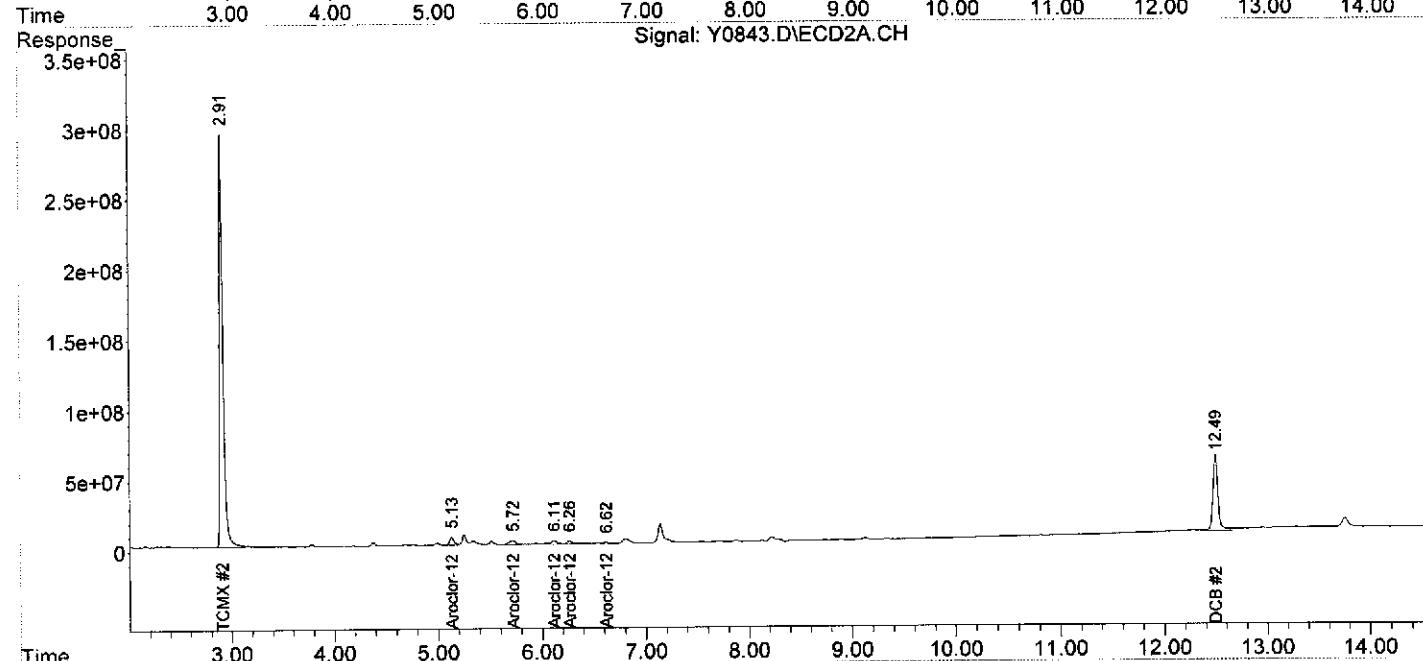
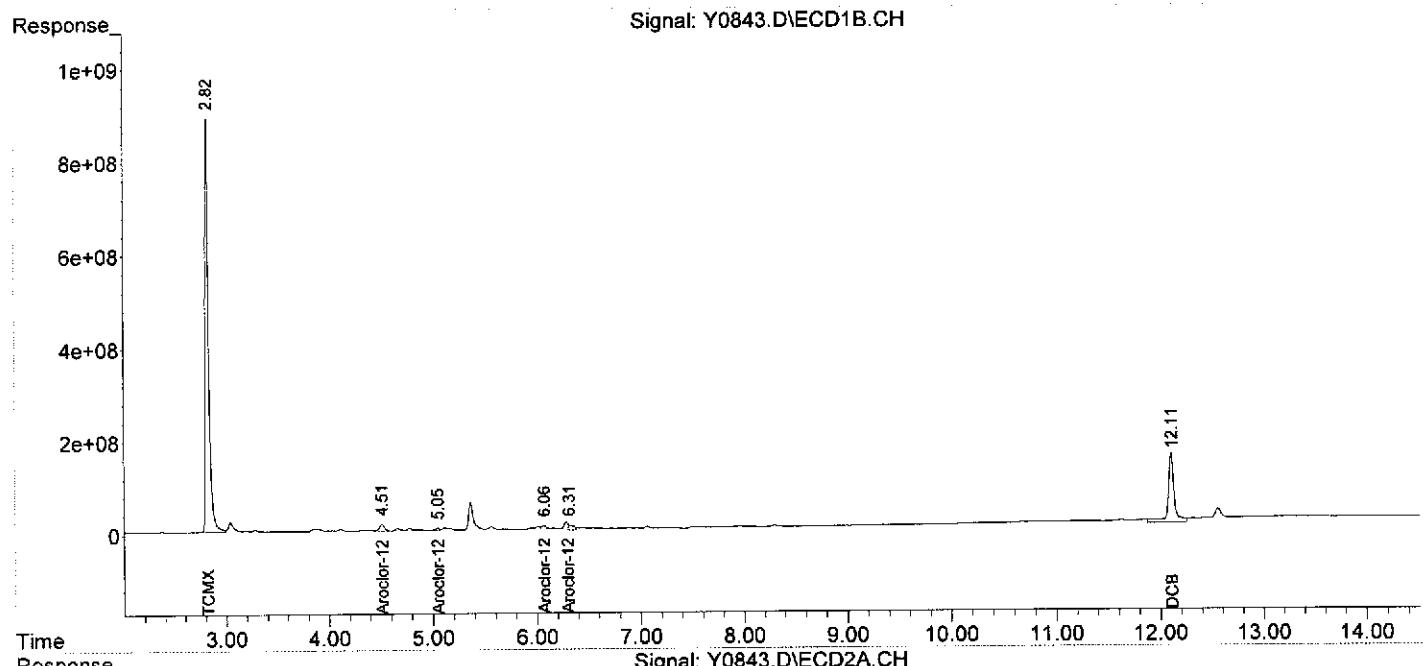
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.91	20717.3E6	6824.8E6	217.915	195.258
Spiked Amount	200.000			Recovery	= 108.96%	97.63%
2) S DCB	12.11	12.49	6039.6E6	1867.9E6	293.070	217.361 #
Spiked Amount	200.000			Recovery	= 146.54%	108.68%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.51	5.13	575.2E6	156.6E6	130.460m	98.251m
24) L6 Aroclor-1248 {2}	5.05	5.72	147.7E6	125.9E6	60.944m	53.750m
25) L6 Aroclor-1248 {3}	0.00	6.11	0	97874329	N.D. d	57.783m#
26) L6 Aroclor-1248 {4}	6.06	6.26	228.7E6	66240382	41.029m	45.571m
27) L6 Aroclor-1248 {5}	6.31	6.62	373.3E6	32011683	89.613m	38.126m#
Sum Aroclor-1248			1324.9E6	478.7E6	322.046	293.480
Average Aroclor-1248					80.512	58.696
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\08-19-12\  
 Data File : Y0843.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 19 Aug 2012 21:41  
 Operator : YG  
 Sample : Z-41(5.5-6,08167-005,S,5.50g,25.9,08/14/12,4  
 Misc : 120814-01,08/10/12,08/10/12,1  
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 27 14:49:51 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-19-12\  
 Data File : Y0844.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 19 Aug 2012 21:58  
 Operator : YG  
 Sample : Z-41(6.0-6,08167-006,S,5.76g,22.5,08/14/12,4  
 Misc : 120814-01,08/10/12,08/10/12,1  
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 28 08:19:39 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.91	20407.4E6	6653.0E6	214.655	190.343
Spiked Amount	200.000			Recovery	= 107.33%	95.17%
2) S DCB	12.10	12.49	4799.2E6	1802.3E6	232.878	209.734
Spiked Amount	200.000			Recovery	= 116.44%	104.87%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.51	5.13	112.9E6	30410550	25.615m	19.077m#
24) L6 Aroclor-1248 {2}	5.05	5.72	26505245	39449502	10.936m	16.840m#
25) L6 Aroclor-1248 {3}	0.00	6.11	0	19402420	N.D. d	11.455m#
26) L6 Aroclor-1248 {4}	6.07	6.26	39121944	18485943	7.020m	12.718m#
27) L6 Aroclor-1248 {5}	6.28	6.62	61121351	7762118	14.673m	9.245m#
Sum Aroclor-1248			239.7E6	115.5E6	58.244	69.334
Average Aroclor-1248					14.561	13.867
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

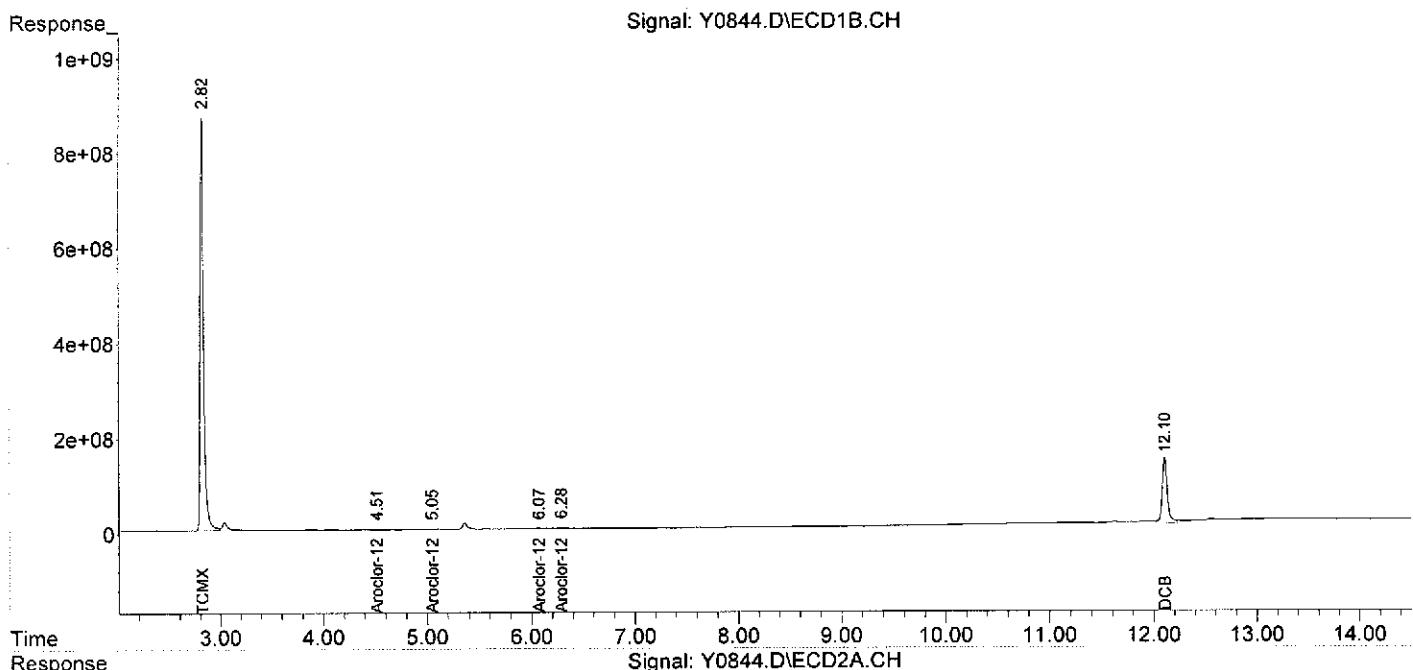
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-19-12\  
Data File : Y0844.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 19 Aug 2012 21:58  
Operator : YG  
Sample : Z-41(6.0-6,08167-006,S,5.76g,22.5,08/14/12,4  
Misc : 120814-01,08/10/12,08/10/12,1  
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 28 08:19:39 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
Quant Title :  
QLast Update : Tue Jul 31 12:56:15 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-19-12\  
 Data File : Y0846.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 19 Aug 2012 22:32  
 Operator : YG  
 Sample : Z-40(5.5-6,08167-008,S,5.85g,22.1,08/14/12,4  
 Misc : 120814-01,08/10/12,08/10/12,1  
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 23 12:29:22 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

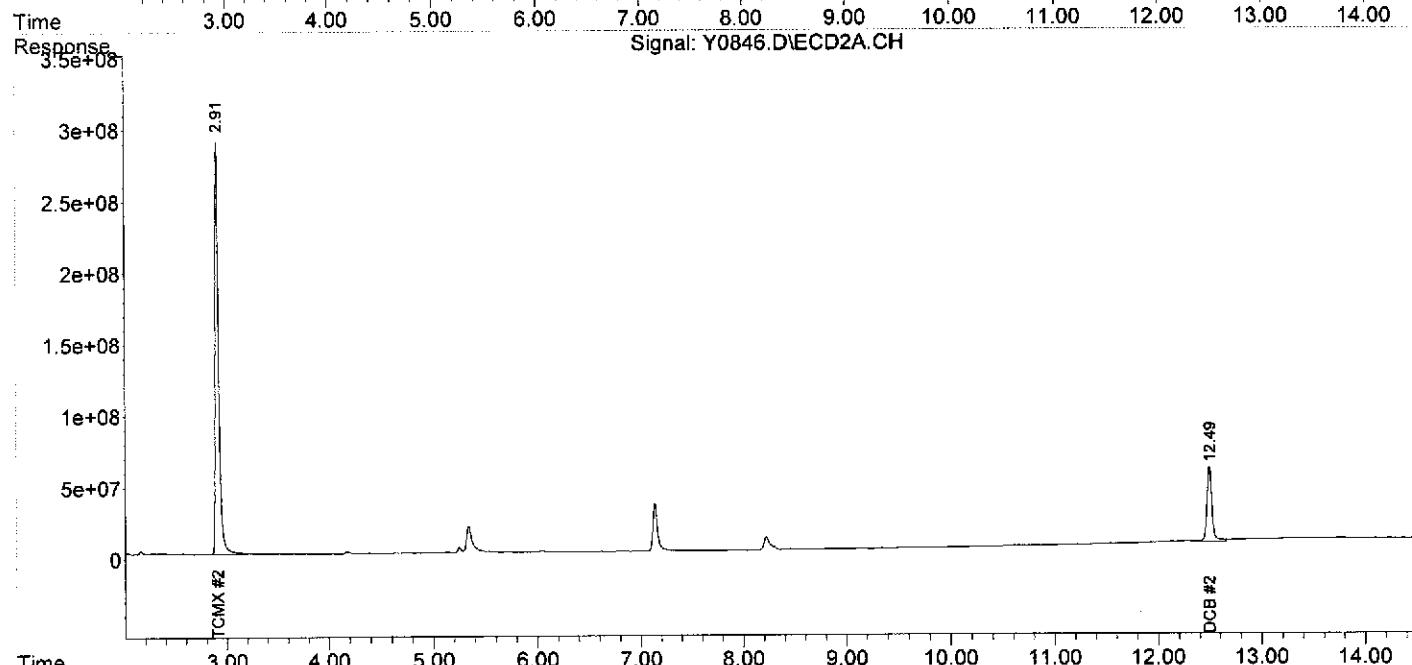
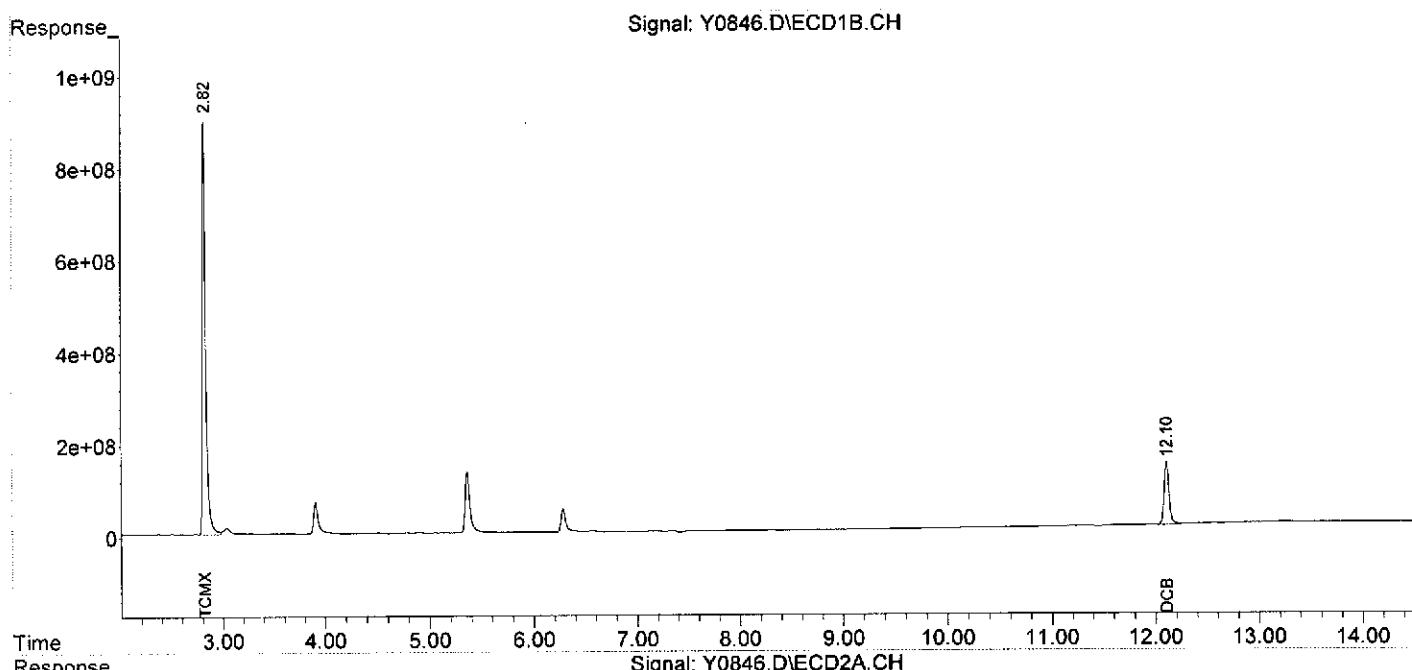
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.91	20875.3E6	6821.9E6	219.577	195.176
Spiked Amount	200.000			Recovery	= 109.79%	97.59%
2) S DCB	12.10	12.49	4559.3E6	1856.6E6	221.235	216.043
Spiked Amount	200.000			Recovery	= 110.62%	108.02%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\08-19-12\  
Data File : Y0846.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 19 Aug 2012 22:32  
Operator : YG  
Sample : Z-40(5.5-6,08167-008,S,5.85g,22.1,08/14/12,4  
Misc : 120814-01,08/10/12,08/10/12,1  
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 23 12:29:22 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
Quant Title :  
QLast Update : Tue Jul 31 12:56:15 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-19-12\  
 Data File : Y0847.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 19 Aug 2012 22:50  
 Operator : YG  
 Sample : Z-40(6.0-6,08167-009,S,5.39g,22.0,08/14/12,4  
 Misc : 120814-01,08/10/12,08/10/12,1  
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 23 12:30:19 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

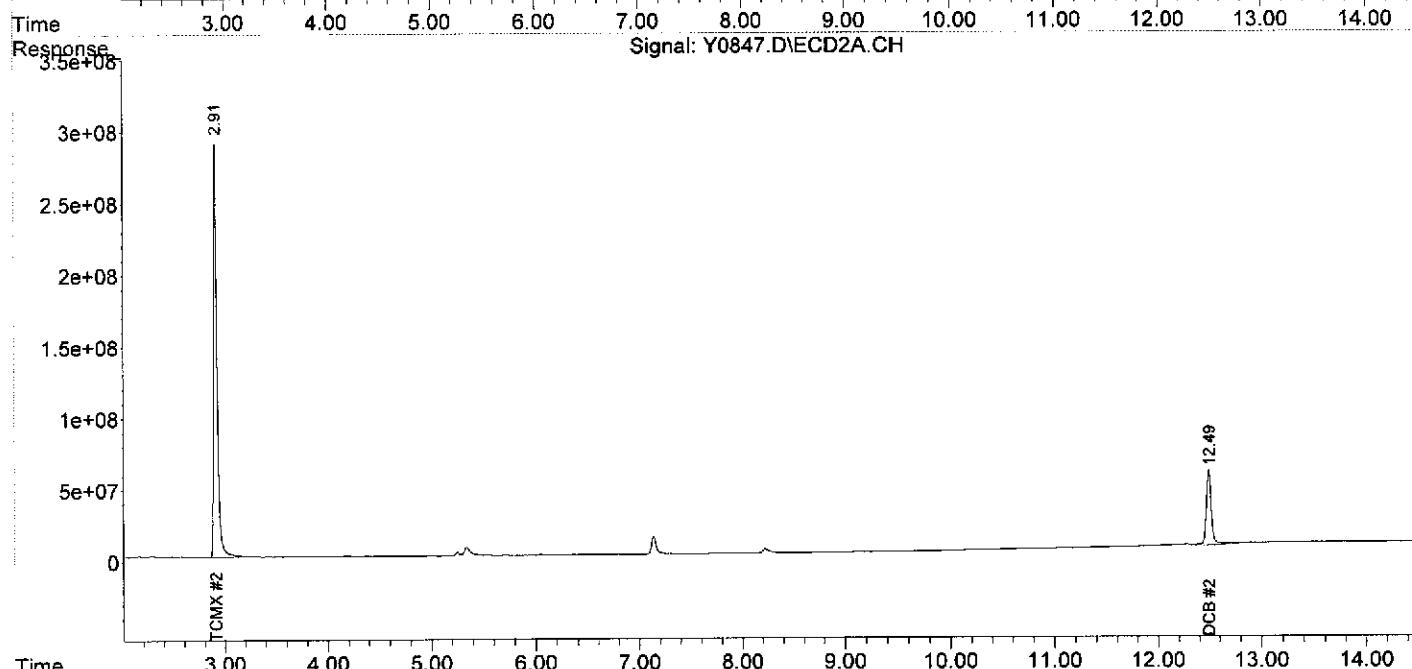
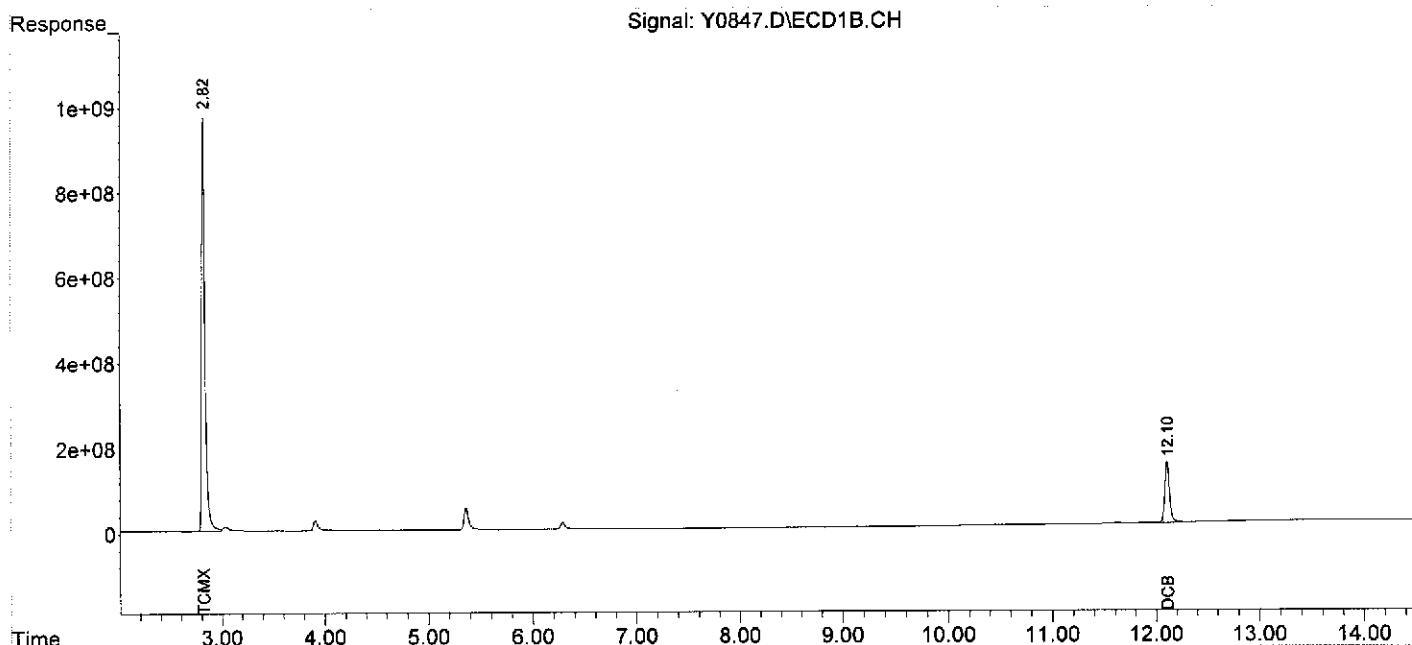
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.91	22075.1E6	6800.8E6	232.197	194.572
Spiked Amount	200.000			Recovery	= 116.10%	97.29%
2) S DCB	12.11	12.49	4645.0E6	1823.7E6	225.398	212.218
Spiked Amount	200.000			Recovery	= 112.70%	106.11%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\08-19-12\  
Data File : Y0847.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 19 Aug 2012 22:50  
Operator : YG  
Sample : Z-40(6.0-6,08167-009,S,5.39g,22.0,08/14/12,4  
Misc : 120814-01,08/10/12,08/10/12,1  
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 23 12:30:19 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
Quant Title :  
QLast Update : Tue Jul 31 12:56:15 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-19-12\  
 Data File : Y0849.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 19 Aug 2012 23:24  
 Operator : YG  
 Sample : Z-38(5.5-6,08167-011,S,5.20g,19.2,08/14/12,4  
 Misc : 120814-01,08/10/12,08/10/12,1  
 ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 23 12:34:43 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.91	13673.9E6	6333.5E6	143.828	181.202 #
Spiked Amount	200.000			Recovery	= 71.91%	90.60%
2) S DCB	12.10	12.49	4559.3E6	1703.4E6	221.238	198.219
Spiked Amount	200.000			Recovery	= 110.62%	99.11%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-19-12\  
Data File : Y0849.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 19 Aug 2012 23:24  
Operator : YG  
Sample : Z-38(5.5-6,08167-011,S,5.20g,19.2,08/14/12,4  
Misc : 120814-01,08/10/12,08/10/12,1  
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 23 12:34:43 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
Quant Title :  
QLast Update : Tue Jul 31 12:56:15 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :

Response\_ Signal: Y0849.D\ECD1B.CH

1.5e+09

1e+09

5e+08

Time

Signal: Y0849.D\ECD2A.CH

1e+09

9e+08

8e+08

7e+08

6e+08

5e+08

4e+08

3e+08

2e+08

1e+08

2.91

12.49

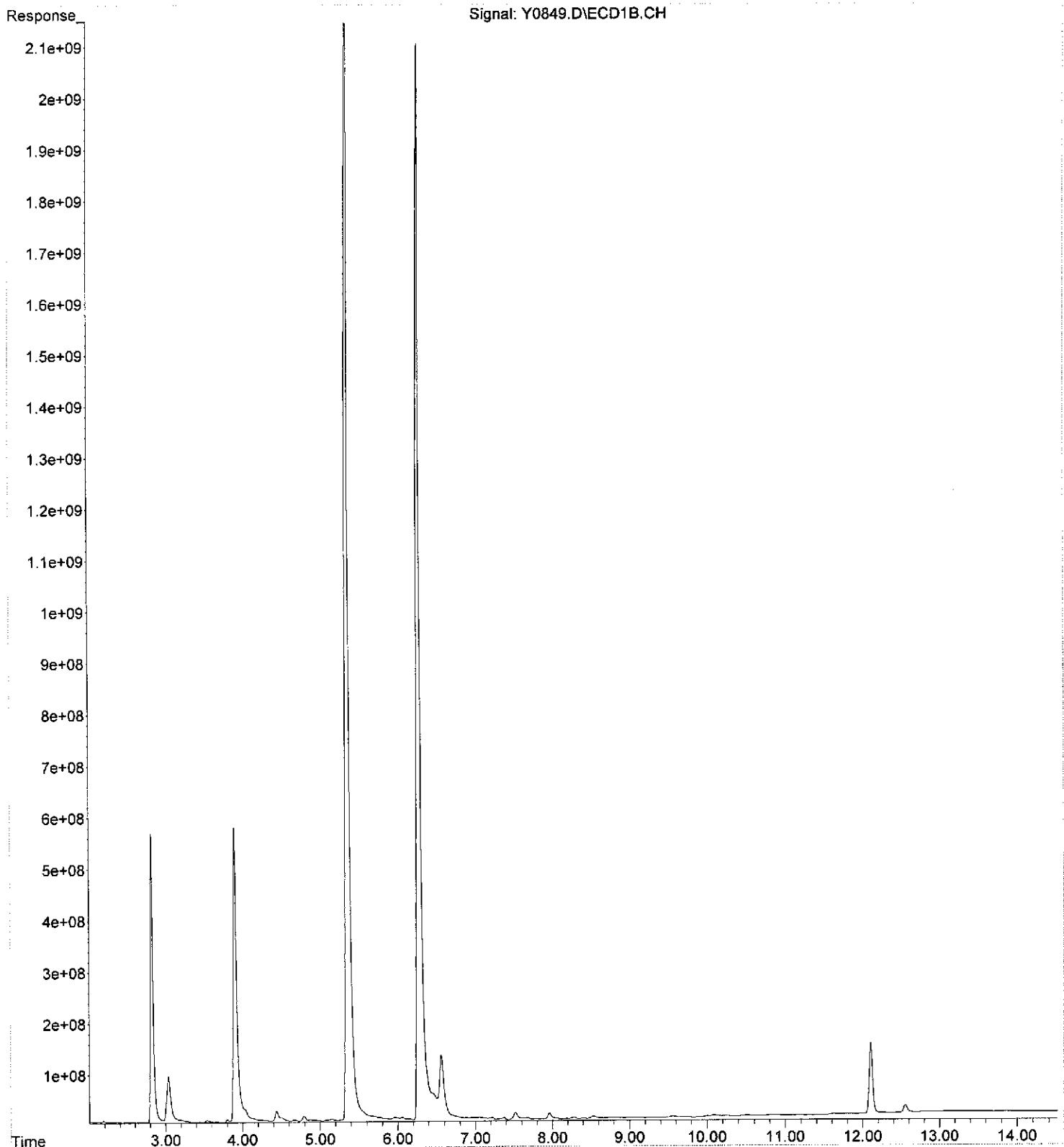
TCMX #2

DCB #2

Time

3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00

File : C:\MSDChem\1\DATA\08-19-12\Y0849.D  
Operator : YG  
Acquired : 19 Aug 2012 23:24 using AcqMethod YPCB0727.M  
Instrument : GC\_Y  
Sample Name: Z-38(5.5-6,08167-011,S,5.20g,19.2,08/14/12,4  
Misc Info : 120814-01,08/10/12,08/10/12,1  
Vial Number: 25



## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-19-12\  
 Data File : Y0850.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 19 Aug 2012 23:41  
 Operator : YG  
 Sample : Z-38(6.0-6,08167-012,S,5.76g,20.5,08/14/12,4  
 Misc : 120814-01,08/10/12,08/10/12,1  
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 23 12:36:07 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.91	14900.4E6	6475.7E6	156.730	185.272
Spiked Amount	200.000			Recovery	= 78.36%	92.64%
2) S DCB	12.10	12.49	4836.0E6	1773.5E6	234.666	206.378
Spiked Amount	200.000			Recovery	= 117.33%	103.19%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

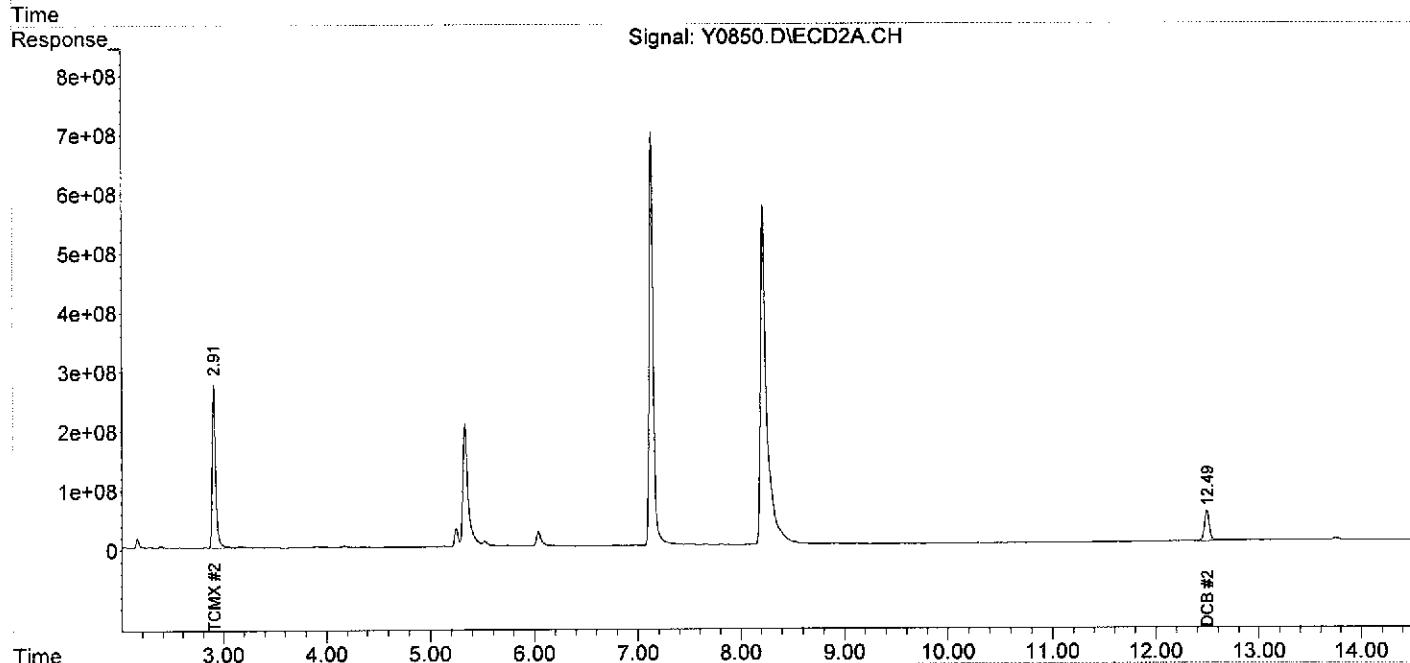
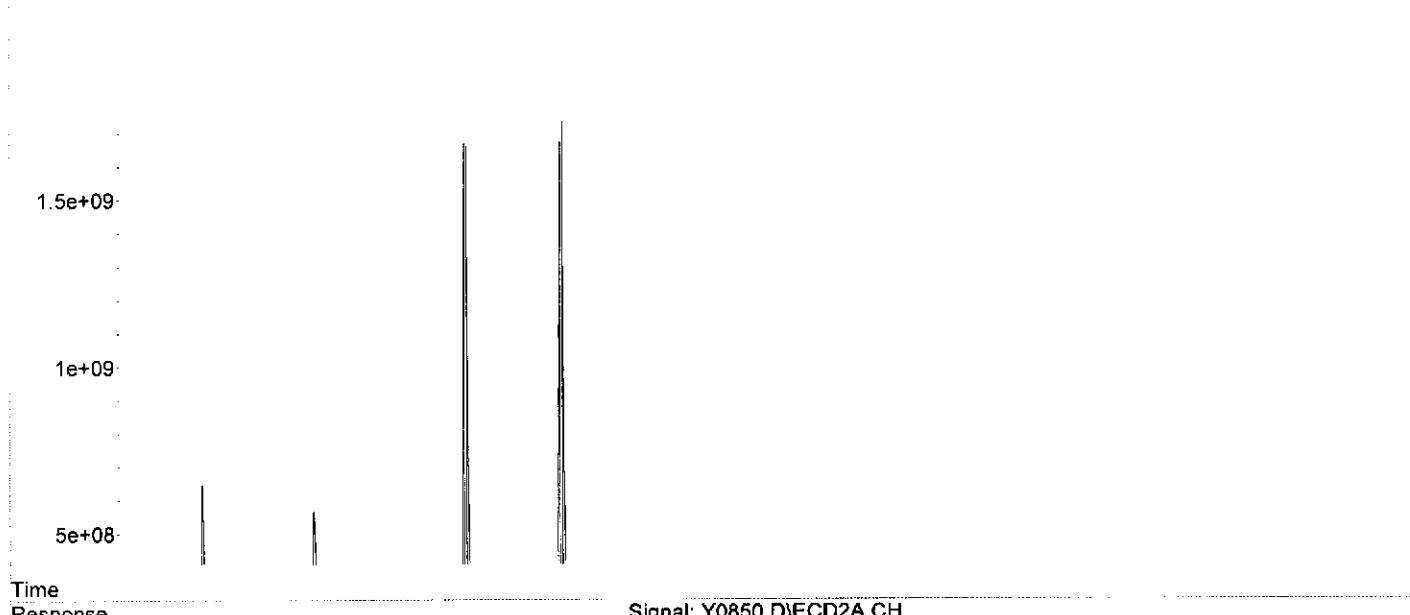
## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-19-12\  
Data File : Y0850.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 19 Aug 2012 23:41  
Operator : YG  
Sample : Z-38(6.0-6,08167-012,S,5.76g,20.5,08/14/12,4  
Misc : 120814-01,08/10/12,08/10/12,1  
ALS Vial : 26 Sample Multiplier: 1

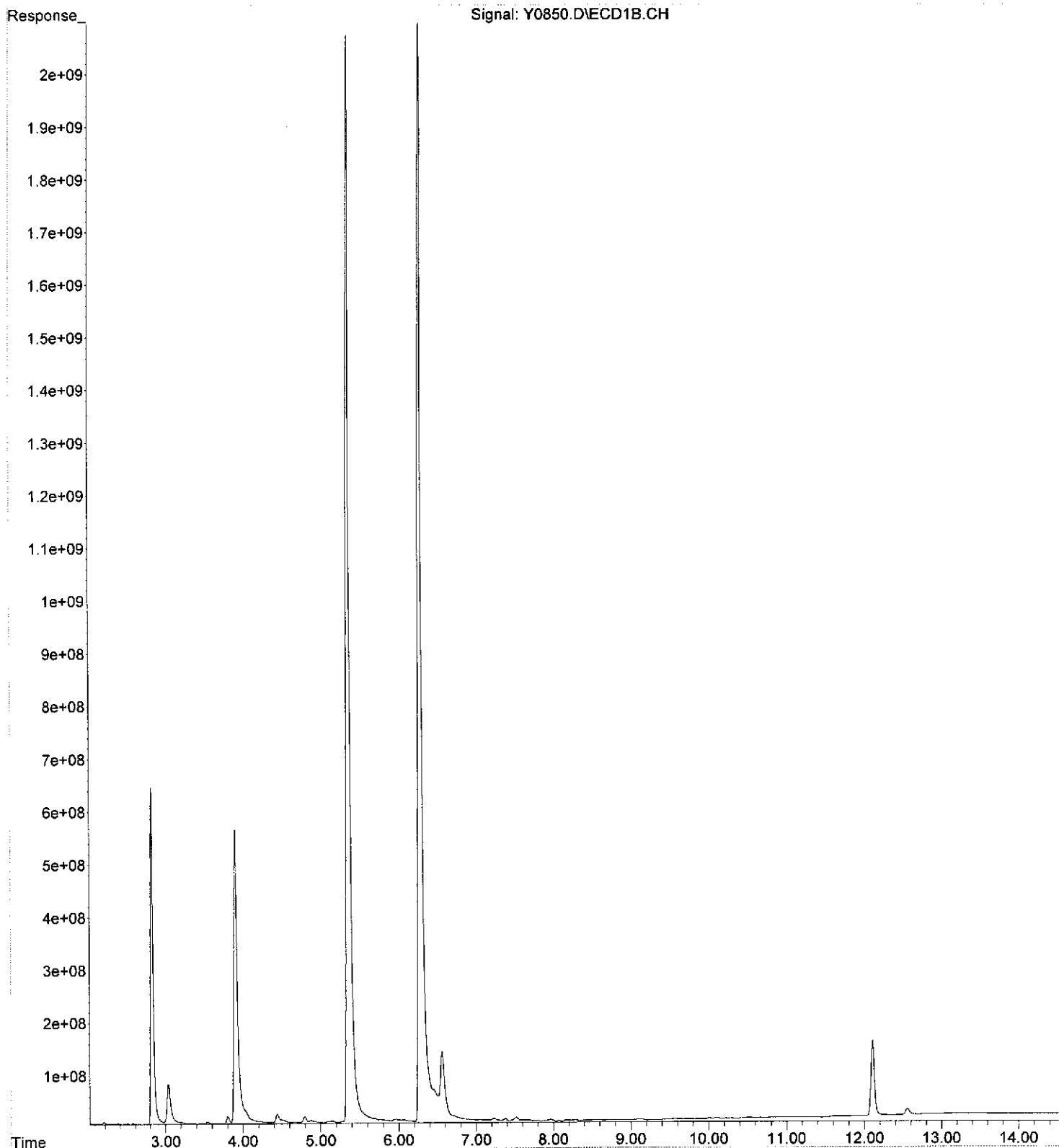
Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 23 12:36:07 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
Quant Title :  
QLast Update : Tue Jul 31 12:56:15 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :

Response\_ Signal: Y0850.D\ECD1B.CH



File : C:\MSDChem\1\DATA\08-19-12\Y0850.D  
Operator : YG  
Acquired : 19 Aug 2012 23:41 using AcqMethod YPCB0727.M  
Instrument : GC\_Y  
Sample Name: Z-38(6.0-6,08167-012,S,5.76g,20.5,08/14/12,4  
Misc Info : 120814-01,08/10/12,08/10/12,1  
Vial Number: 26



Data Path : C:\MSDCHEM\1\DATA\08-20-12\  
 Data File : Y0890.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 20 Aug 2012 18:32  
 Operator : YG  
 Sample : N-44(5.0-5,08167-014,S,5.60g,23.2,08/14/12,4  
 Misc : 120814-01,08/10/12,08/10/12,100  
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 27 14:19:53 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
----------	------	------	--------	--------	------	------

#### System Monitoring Compounds

##### Target Compounds

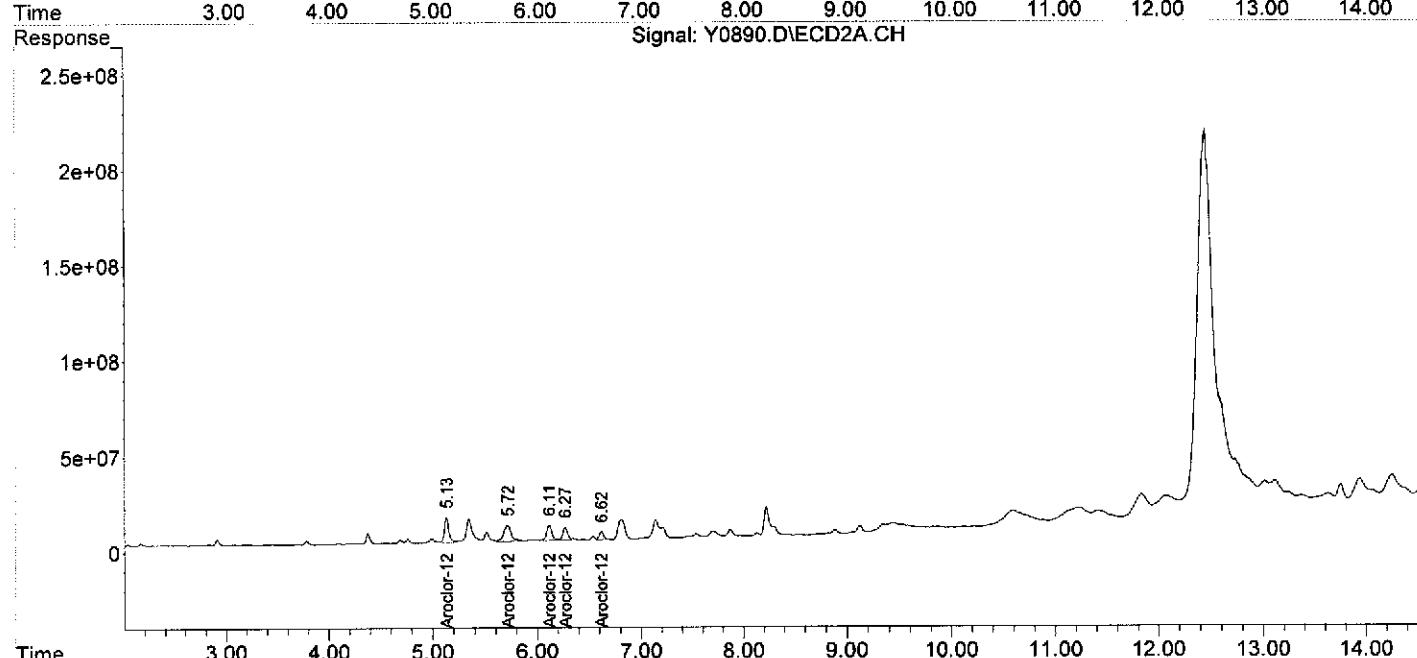
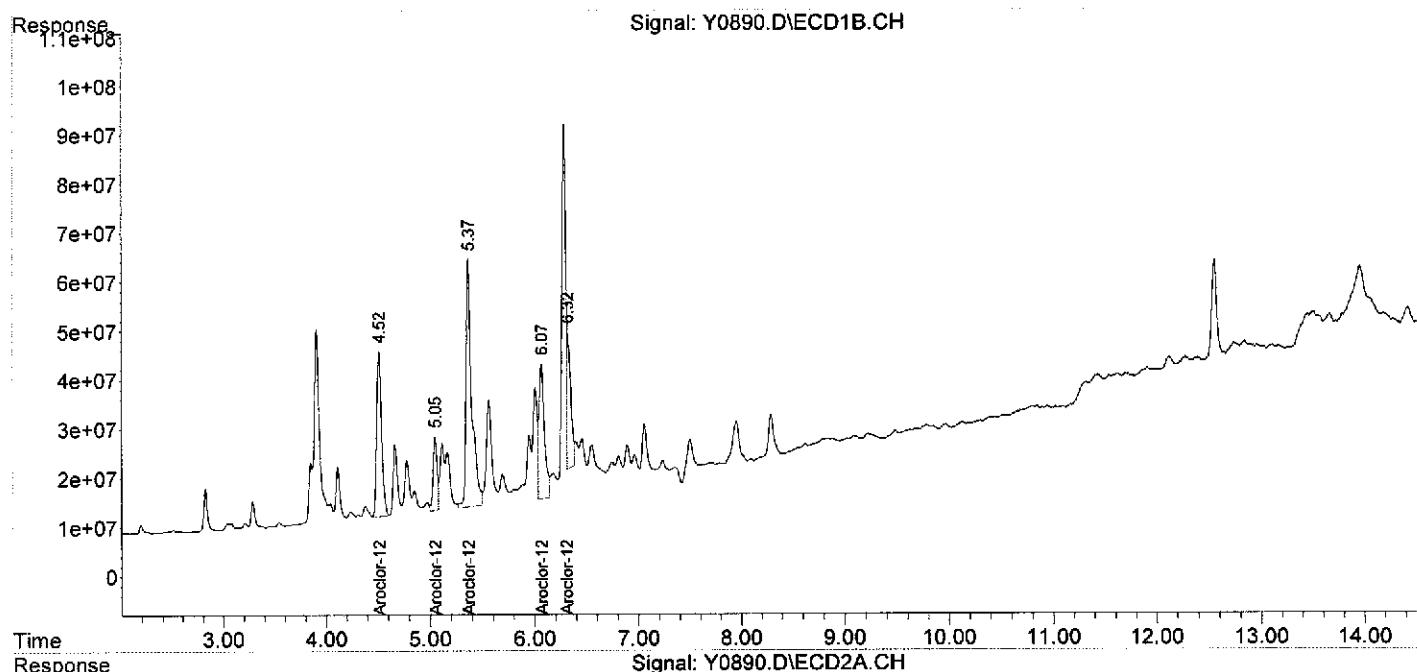
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.13	1121.3E6	384.6E6	254.319	241.273
24) L6 Aroclor-1248 {2}	5.05	5.72	396.2E6	429.7E6	163.444	183.431
25) L6 Aroclor-1248 {3}	5.37	6.11	1906.6E6	295.2E6	621.344	174.282 #
26) L6 Aroclor-1248 {4}	6.07	6.27	996.3E6	222.6E6	178.766	153.164
27) L6 Aroclor-1248 {5}	6.32	6.62	677.0E6	121.5E6	162.531m	144.649
Sum Aroclor-1248			5097.3E6	1453.6E6	1380.404	896.800
Average Aroclor-1248					276.081	179.360
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\08-20-12\  
Data File : Y0890.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 20 Aug 2012 18:32  
Operator : YG  
Sample : N-44(5.0-5,08167-014,S,5.60g,23.2,08/14/12,4  
Misc : 120814-01,08/10/12,08/10/12,100  
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 27 14:19:53 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
Quant Title :  
QLast Update : Tue Jul 31 12:56:15 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-20-12\  
 Data File : Y0891.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 20 Aug 2012 18:49  
 Operator : YG  
 Sample : N-44(5.5-6,08167-015,S,5.88g,25.5,08/14/12,4  
 Misc : 120814-01,08/10/12,08/10/12,10  
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 27 14:20:35 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

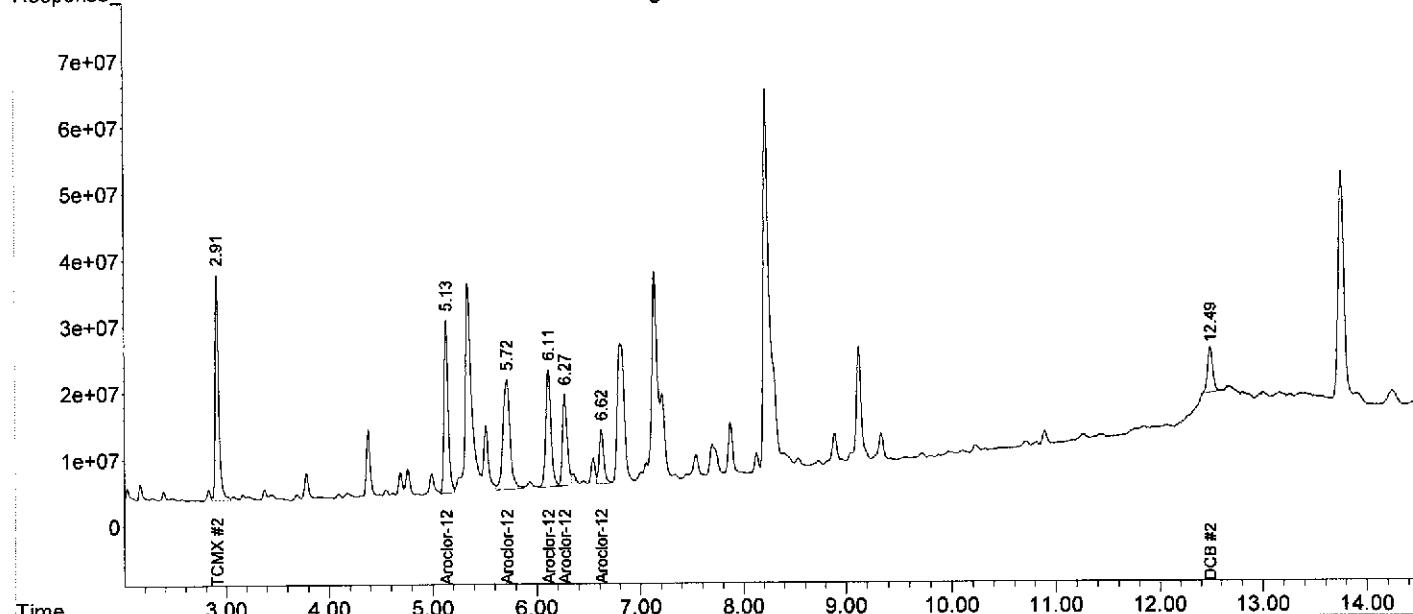
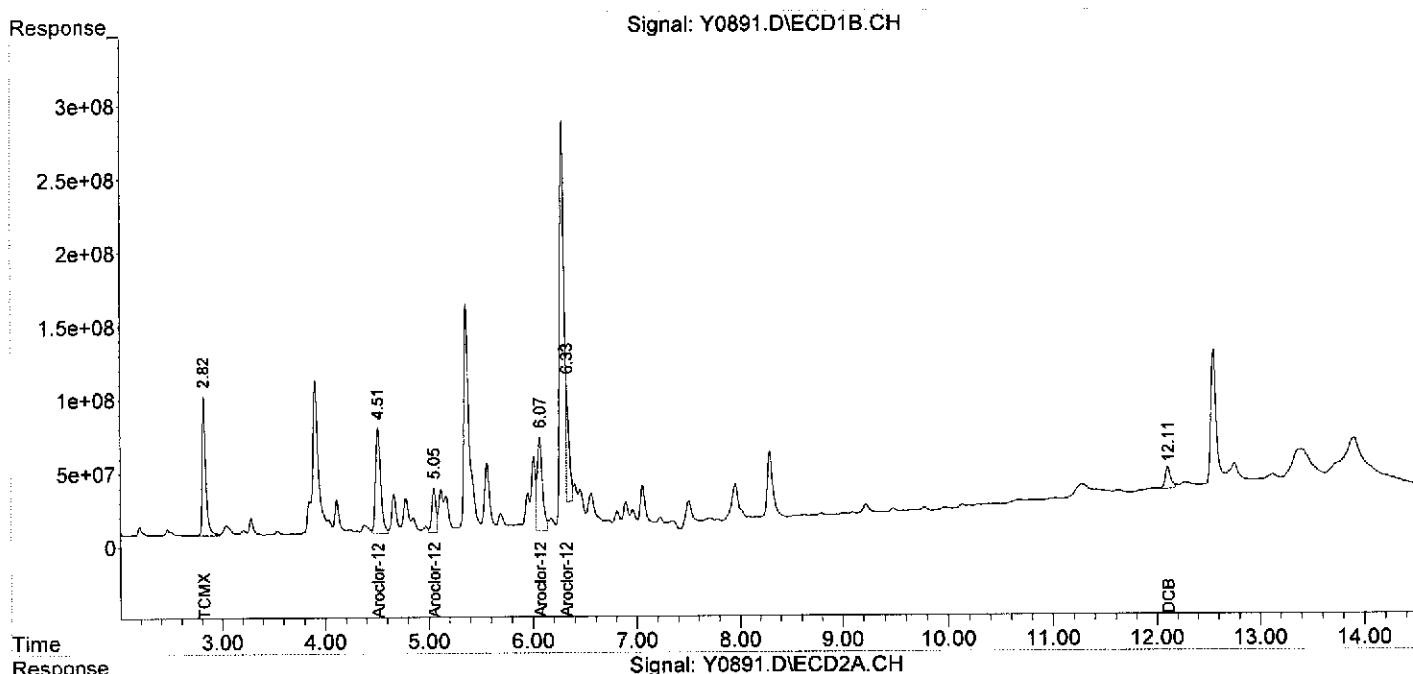
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.91	2262.3E6	826.1E6	23.796	23.635
Spiked Amount	200.000			Recovery	= 11.90%	11.82%
2) S DCB	12.11	12.49	545.1E6	238.2E6	26.451m	27.722m
Spiked Amount	200.000			Recovery	= 13.23%	13.86%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.51	5.13	2484.6E6	719.3E6	563.541	451.225
24) L6 Aroclor-1248 {2}	5.05	5.72	826.8E6	778.2E6	341.116	332.184
25) L6 Aroclor-1248 {3}	0.00	6.11	0	611.7E6	N.D. d	361.132 #
26) L6 Aroclor-1248 {4}	6.07	6.27	2188.9E6	434.1E6	392.757	298.638
27) L6 Aroclor-1248 {5}	6.33	6.62	1375.1E6	250.2E6	330.122m	297.968
Sum Aroclor-1248			6875.4E6	2793.5E6	1627.535	1741.147
Average Aroclor-1248					406.884	348.229
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\08-20-12\  
 Data File : Y0891.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 20 Aug 2012 18:49  
 Operator : YG  
 Sample : N-44(5.5-6,08167-015,S,5.88g,25.5,08/14/12,4  
 Misc : 120814-01,08/10/12,08/10/12,10  
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 27 14:20:35 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-19-12\  
 Data File : Y0854.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 20 Aug 2012 00:50  
 Operator : YG  
 Sample : N-44(6.0-6,08167-016,S,5.34g,19,08/14/12,4  
 Misc : 120814-01,08/10/12,08/10/12,1  
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 23 12:46:43 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

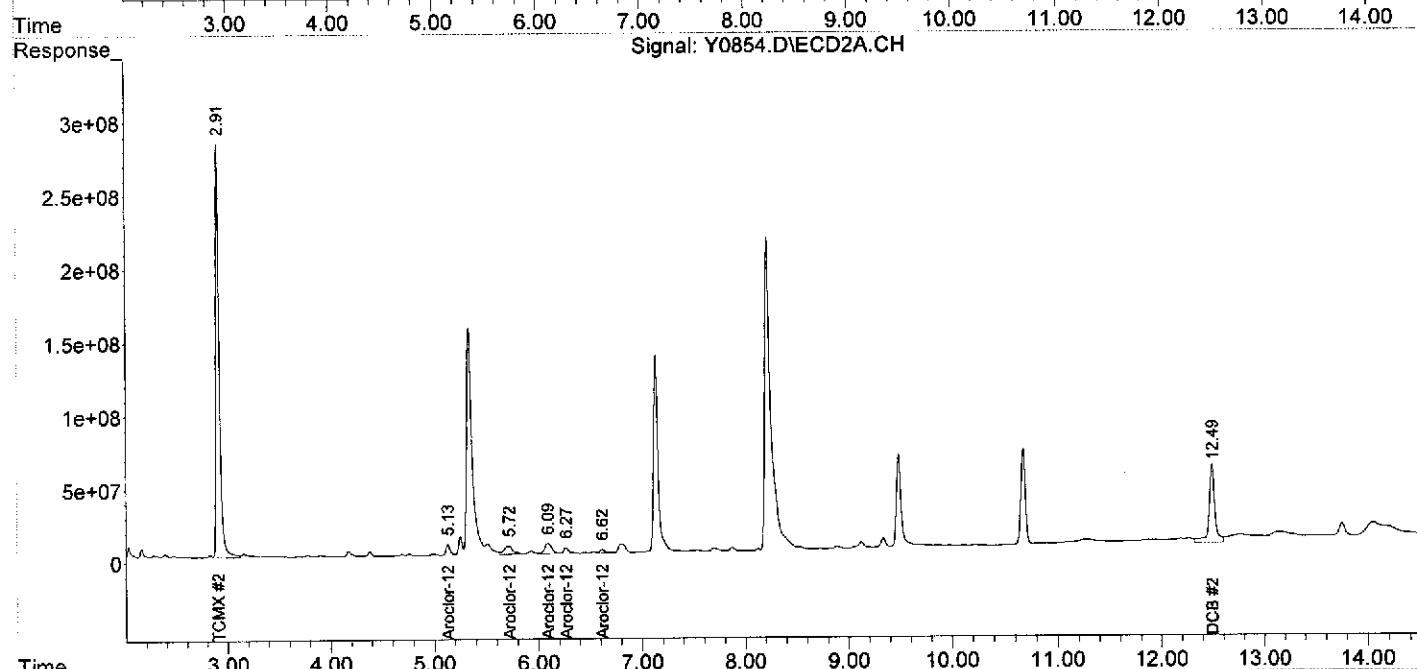
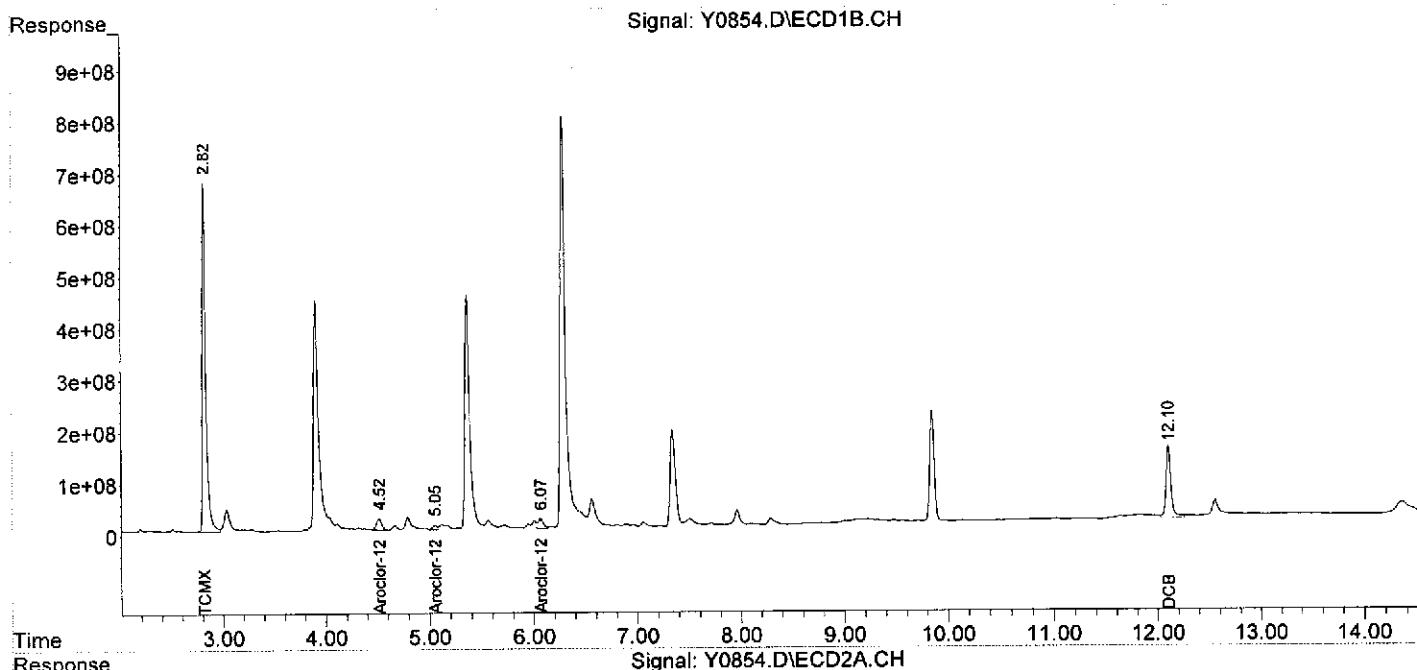
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.91	16054.4E6	6658.8E6	168.868	190.509
Spiked Amount	200.000			Recovery	= 84.43%	95.25%
2) S DCB	12.10	12.49	4683.7E6	2075.2E6	227.275	241.483
Spiked Amount	200.000			Recovery	= 113.64%	120.74%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.13	821.7E6	208.3E6	186.373m	130.658 #
24) L6 Aroclor-1248	{2}	5.05	5.72	260.8E6	343.5E6	107.606 146.647 #
25) L6 Aroclor-1248	{3}	0.00	6.09	0	346.9E6	N.D. d 204.793 #
26) L6 Aroclor-1248	{4}	6.07	6.27	658.9E6	132.1E6	118.234 90.906
27) L6 Aroclor-1248	{5}	0.00	6.62	0	74162672	N.D. d 88.328 #
Sum Aroclor-1248				1741.5E6	1105.0E6	412.214 661.331
Average Aroclor-1248						137.405 132.266
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\08-19-12\  
Data File : Y0854.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 20 Aug 2012 00:50  
Operator : YG  
Sample : N-44(6.0-6,08167-016,S,5.34g,19,08/14/12,4  
Misc : 120814-01,08/10/12,08/10/12,1  
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 23 12:46:43 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
Quant Title :  
QLast Update : Tue Jul 31 12:56:15 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-19-12\  
 Data File : Y0856.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 20 Aug 2012 1:24  
 Operator : YG  
 Sample : K-39(5.0-5,08167-018,S,5.40g,23,08/14/12,4  
 Misc : 120814-01,08/10/12,08/10/12,1  
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 23 12:54:56 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
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System Monitoring Compounds

1) S TCMX	2.82	2.91	20707.5E6	6622.4E6	217.812	189.467
Spiked Amount	200.000				Recovery =	108.91%
2) S DCB	12.10	12.49	5480.1E6	1816.5E6	265.920	211.387
Spiked Amount	200.000				Recovery =	132.96%

Target Compounds

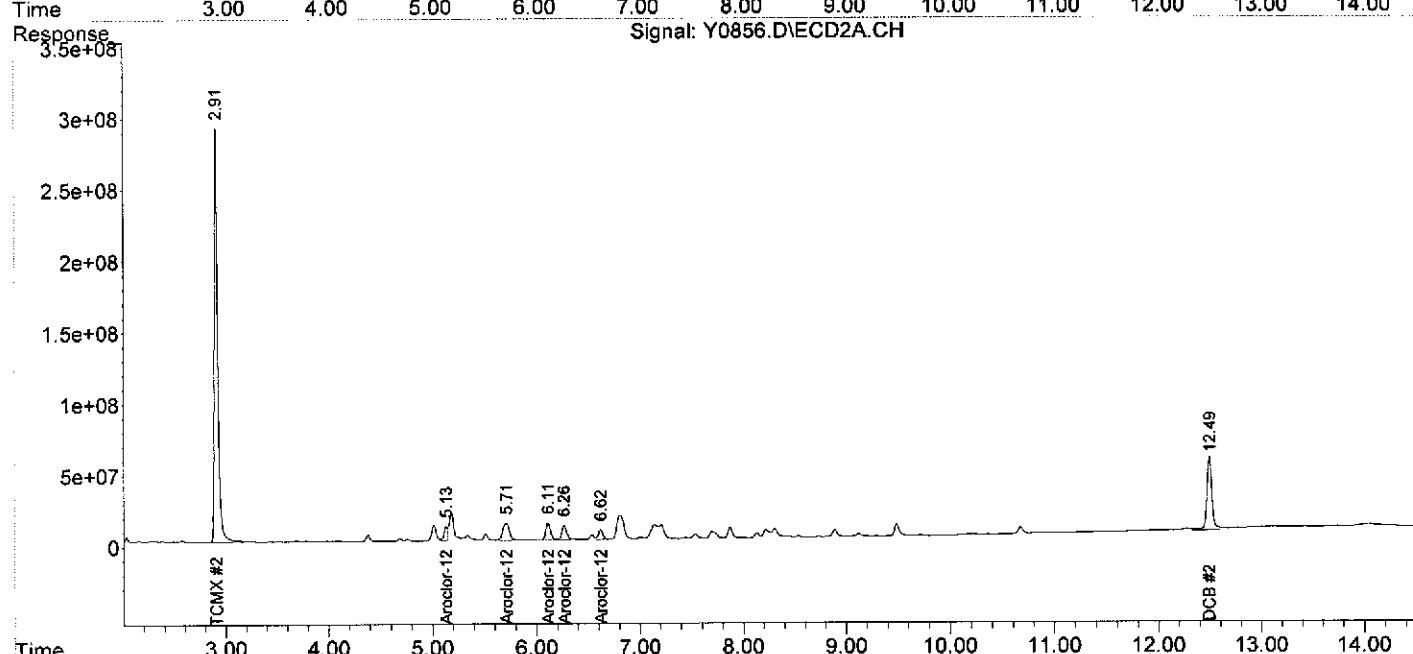
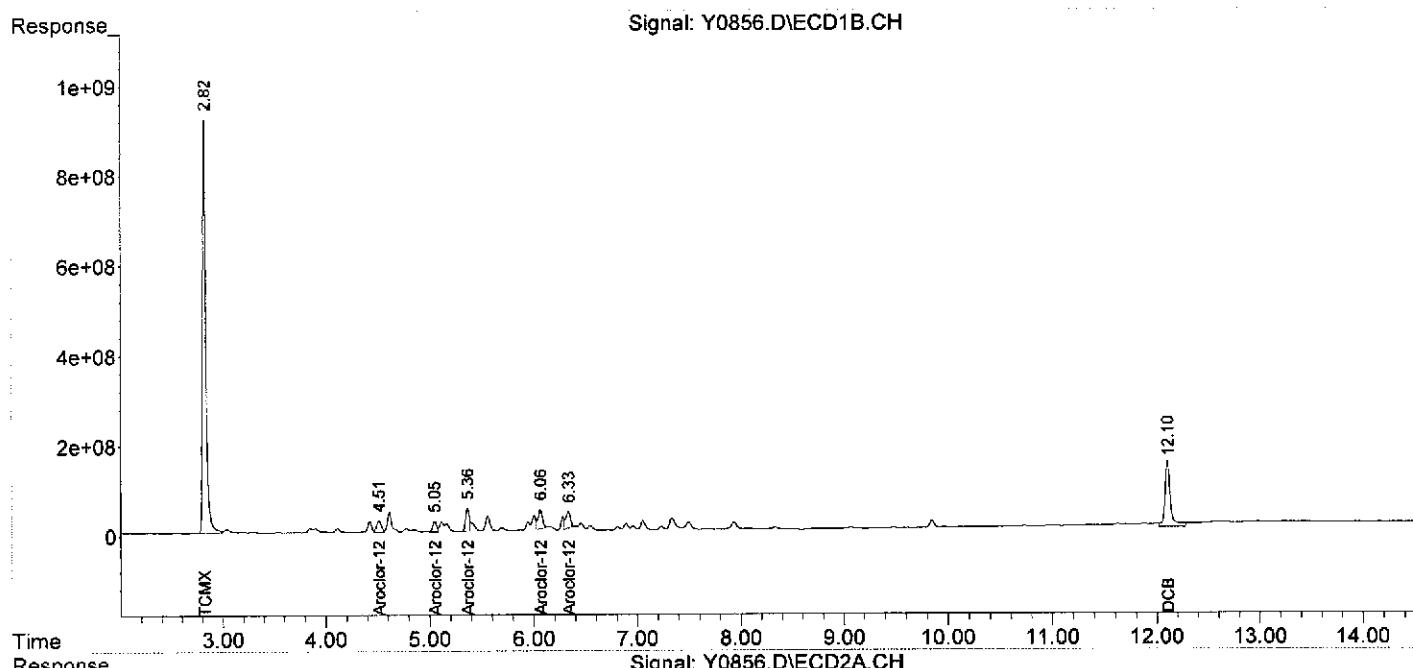
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.13	822.7E6	213.1E6	186.609	133.704 #
24) L6 Aroclor-1248 {2}	5.05	5.71	610.2E6	533.7E6	251.775	227.811
25) L6 Aroclor-1248 {3}	5.36	6.11	1196.0E6	381.6E6	389.763m	225.262 #
26) L6 Aroclor-1248 {4}	6.06	6.26	1350.3E6	320.4E6	242.280m	220.419
27) L6 Aroclor-1248 {5}	6.33	6.62	1167.2E6	207.6E6	280.199m	247.214
Sum Aroclor-1248			5146.4E6	1656.3E6	1350.625	1054.409
Average Aroclor-1248					270.125	210.882
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\08-19-12\  
 Data File : Y0856.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 20 Aug 2012 1:24  
 Operator : YG  
 Sample : K-39(5.0-5,08167-018,S,5.40g,23,08/14/12,4  
 Misc : 120814-01,08/10/12,08/10/12,1  
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 23 12:54:56 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :



## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-19-12\  
 Data File : Y0857.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 20 Aug 2012 1:41  
 Operator : YG  
 Sample : K-39(6.0-6,08167-019,S,5.21g,19.9,08/14/12,4  
 Misc : 120814-01,08/10/12,08/10/12,1  
 ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 23 12:58:05 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

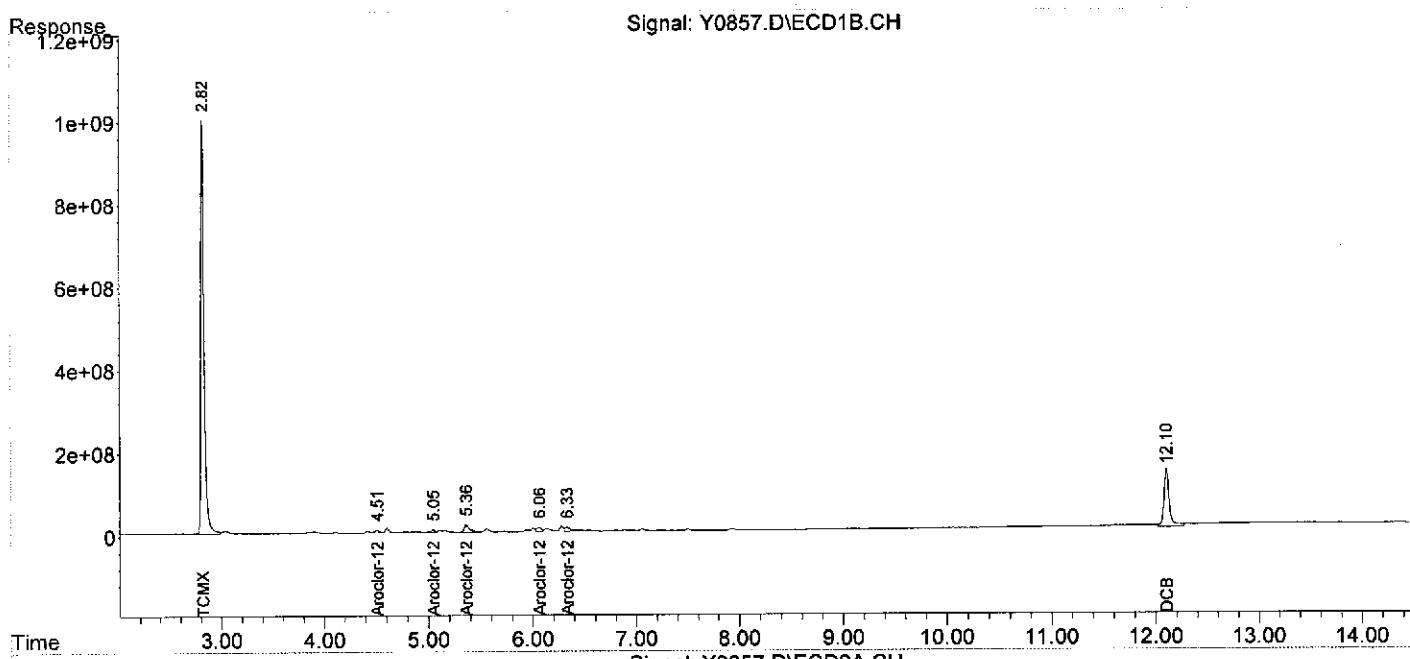
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.91	22216.4E6	6630.0E6	233.682	189.685
Spiked Amount	200.000			Recovery	= 116.84%	94.84%
2) S DCB	12.10	12.49	4983.0E6	2172.7E6	241.797	252.830
Spiked Amount	200.000			Recovery	= 120.90%	126.42%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.51	5.18	204.9E6	180.5E6	46.475	113.261m#
24) L6 Aroclor-1248 {2}	5.05	5.71	148.1E6	130.1E6	61.096	55.539
25) L6 Aroclor-1248 {3}	5.36	6.11	634.8E6	93910442	206.883	55.442 #
26) L6 Aroclor-1248 {4}	6.07	6.27	336.8E6	78131037	60.437	53.751
27) L6 Aroclor-1248 {5}	6.33	6.62	341.6E6	52644163	82.016	62.699
Sum Aroclor-1248			1666.3E6	535.3E6	456.906	340.693
Average Aroclor-1248					91.381	68.139
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\08-19-12\  
Data File : Y0857.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 20 Aug 2012 1:41  
Operator : YG  
Sample : K-39(6.0-6,08167-019,S,5.21g,19.9,08/14/12,4  
Misc : 120814-01,08/10/12,08/10/12,1  
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 23 12:58:05 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
Quant Title :  
QLast Update : Tue Jul 31 12:56:15 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-20-12\  
 Data File : Y0918.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 21 Aug 2012 3:59  
 Operator : YG  
 Sample : I-38(5.0-5,08167-021,S,5.44g,27.7,08/14/12,4  
 Misc : 120814-03,08/10/12,08/10/12,1  
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 24 11:05:17 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.91	21924.2E6	6948.5E6	230.610	198.797
Spiked Amount	200.000		Recovery	=	115.31%	99.40%
2) S DCB	12.10	12.49	4506.5E6	1737.5E6	218.675	202.193
Spiked Amount	200.000		Recovery	=	109.34%	101.10%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

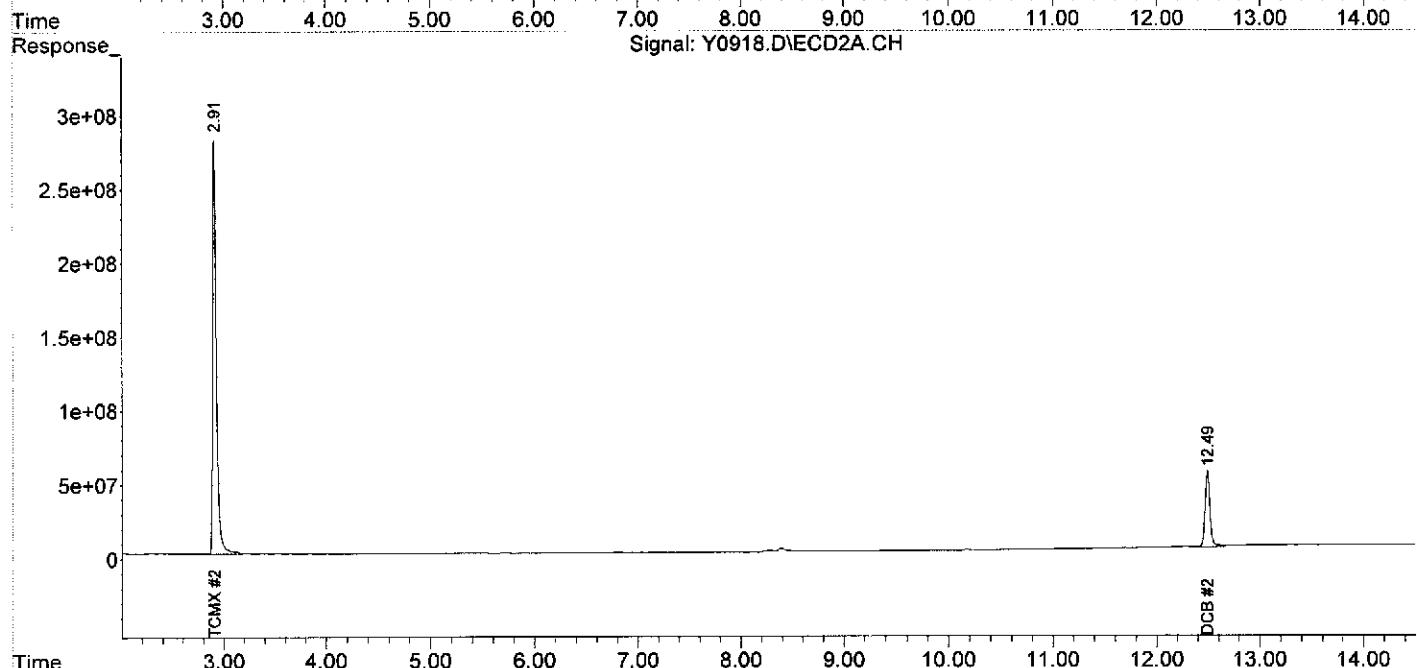
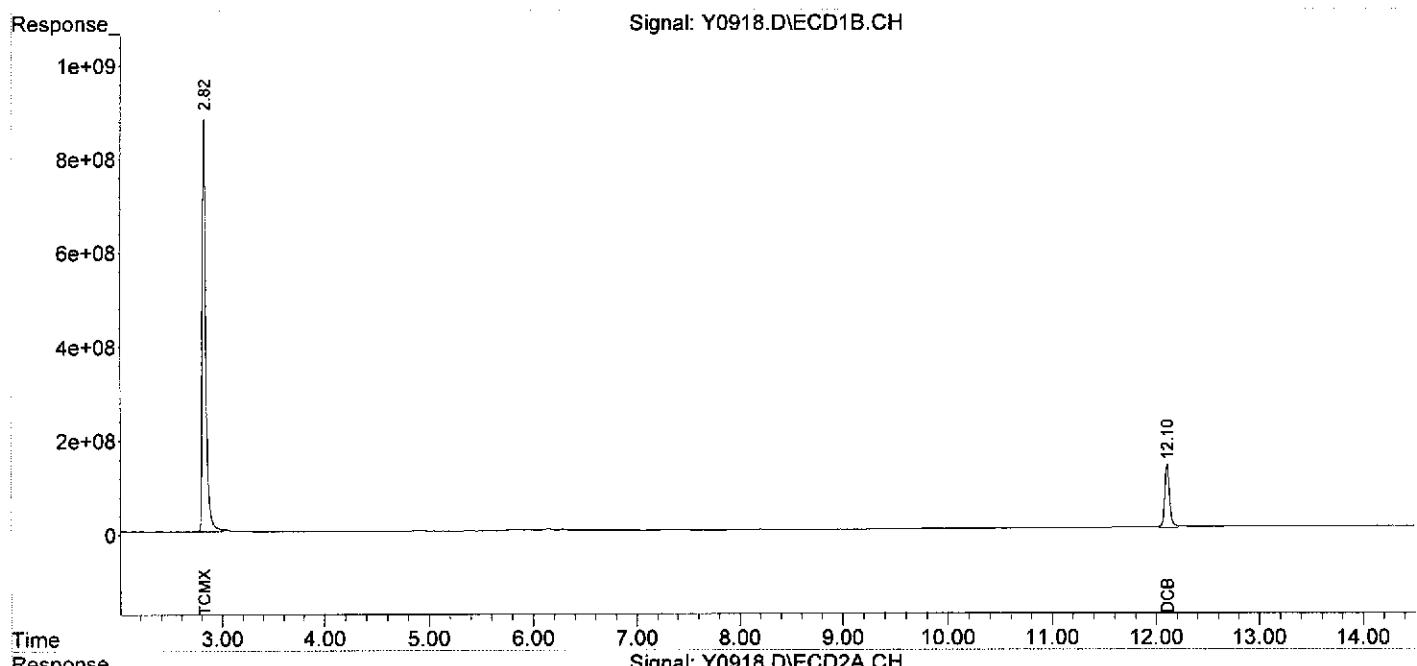
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-20-12\  
Data File : Y0918.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 21 Aug 2012 3:59  
Operator : YG  
Sample : I-38(5.0-5,08167-021,S,5.44g,27.7,08/14/12,4  
Misc : 120814-03,08/10/12,08/10/12,1  
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 24 11:05:17 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
Quant Title :  
QLast Update : Tue Jul 31 12:56:15 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-20-12\  
 Data File : Y0919.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 21 Aug 2012 4:16  
 Operator : YG  
 Sample : I-38(6.0-6,08167-022,S,5.22g,21.1,08/14/12,4  
 Misc : 120814-03,08/10/12,08/10/12,1  
 ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 24 11:05:44 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.91	21606.3E6	6812.8E6	227.266	194.916
Spiked Amount	200.000			Recovery	= 113.63%	97.46%
2) S DCB	12.11	12.49	4162.5E6	1690.4E6	201.984	196.709
Spiked Amount	200.000			Recovery	= 100.99%	98.35%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

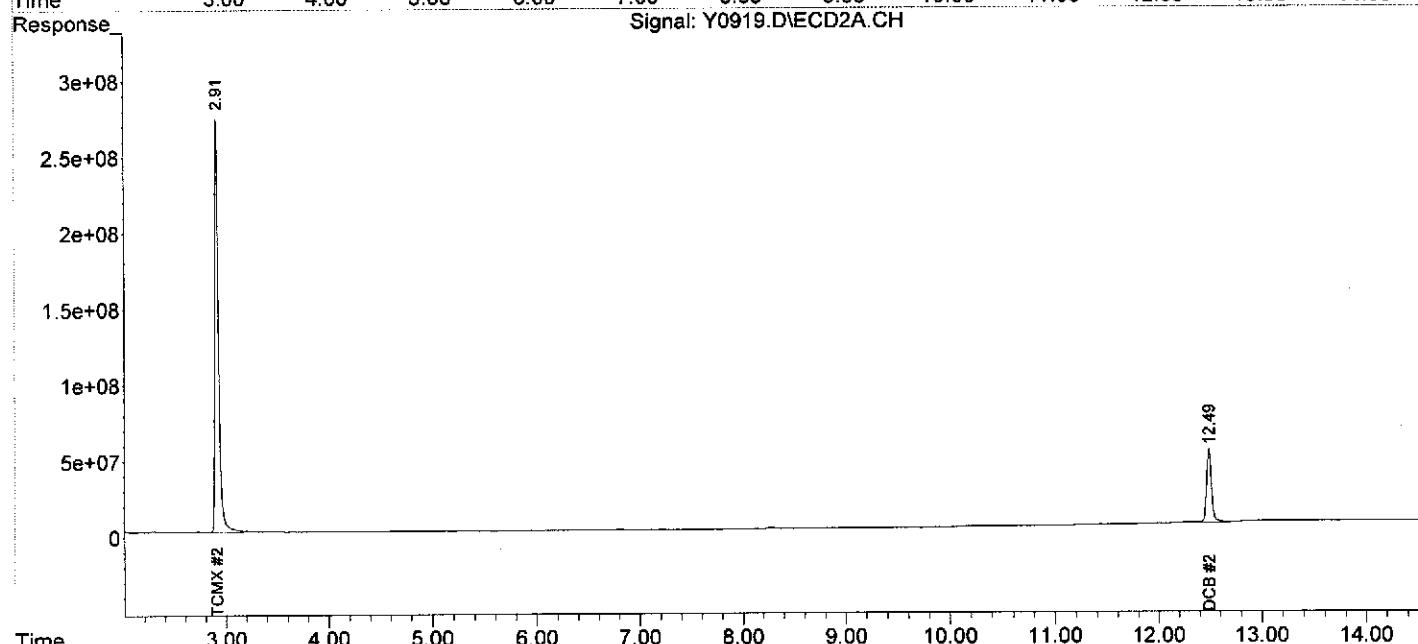
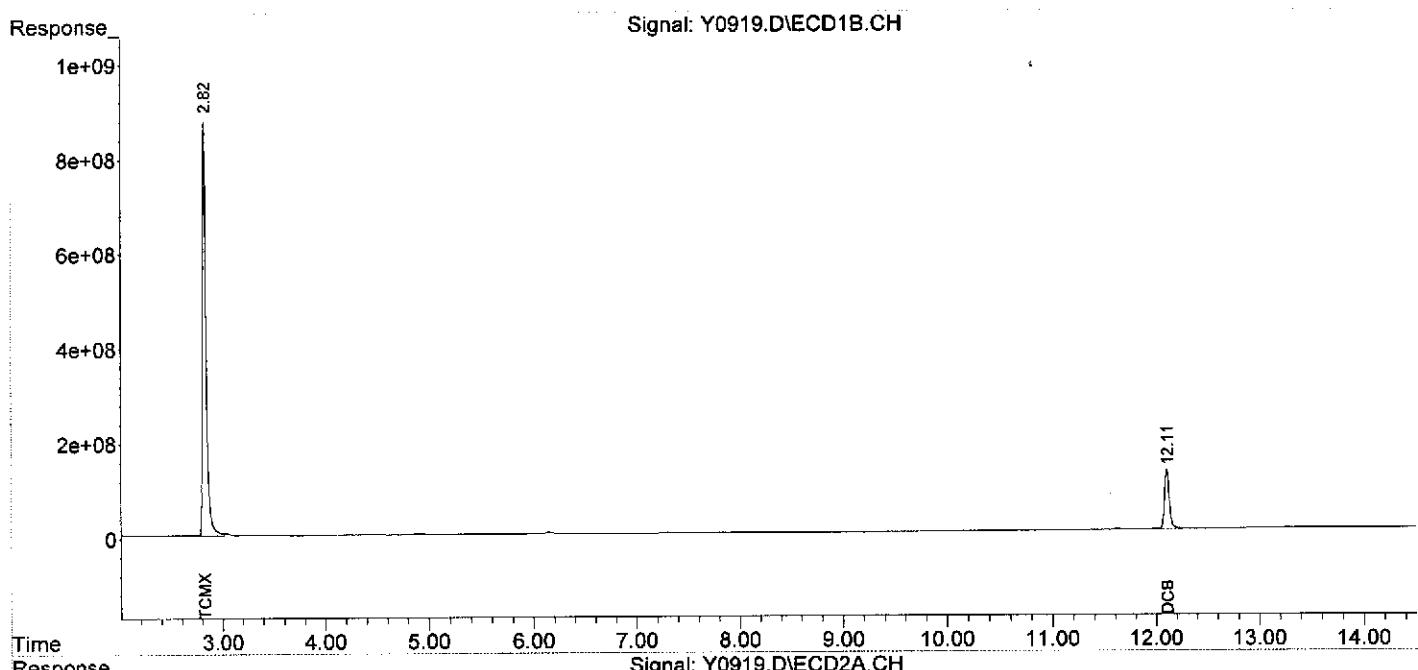
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

**Quantitation Report (QT Reviewed)**

Data Path : C:\MSDCHEM\1\DATA\08-20-12\  
Data File : Y0919.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 21 Aug 2012 4:16  
Operator : YG  
Sample : I-38(6.0-6,08167-022,S,5.22g,21.1,08/14/12,4  
Misc : 120814-03,08/10/12,08/10/12,1  
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 24 11:05:44 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
Quant Title :  
QLast Update : Tue Jul 31 12:56:15 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : Signal #1 Phase : Signal #2 Phase :  
Signal #1 Info : Signal #2 Info :



## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-21-12\  
 Data File : Y0944.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 21 Aug 2012 19:09  
 Operator : YG  
 Sample : Y-33(0-2.0,08167-024,S,5.55g,10.3,08/14/12,4  
 Misc : 120814-03,08/10/12,08/10/12,1000  
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 24 12:22:52 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
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## System Monitoring Compounds

Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	8.34	7.87	2549.0E6	393.2E6	350.927	365.639
34) L8 Aroclor-1260 {2}	9.01	8.13	1736.7E6	567.2E6	548.020	357.965 #
35) L8 Aroclor-1260 {3}	9.48	9.71	4564.4E6	650.5E6	553.078	491.040
36) L8 Aroclor-1260 {4}	9.96	10.22	1760.9E6	1706.9E6	426.084	591.469 #
37) L8 Aroclor-1260 {5}	11.02	10.81	1544.4E6	1250.5E6	917.623	615.225 #
Sum Aroclor-1260			12155.3E6	4568.4E6	2795.732	2421.338
Average Aroclor-1260					559.146	484.268
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

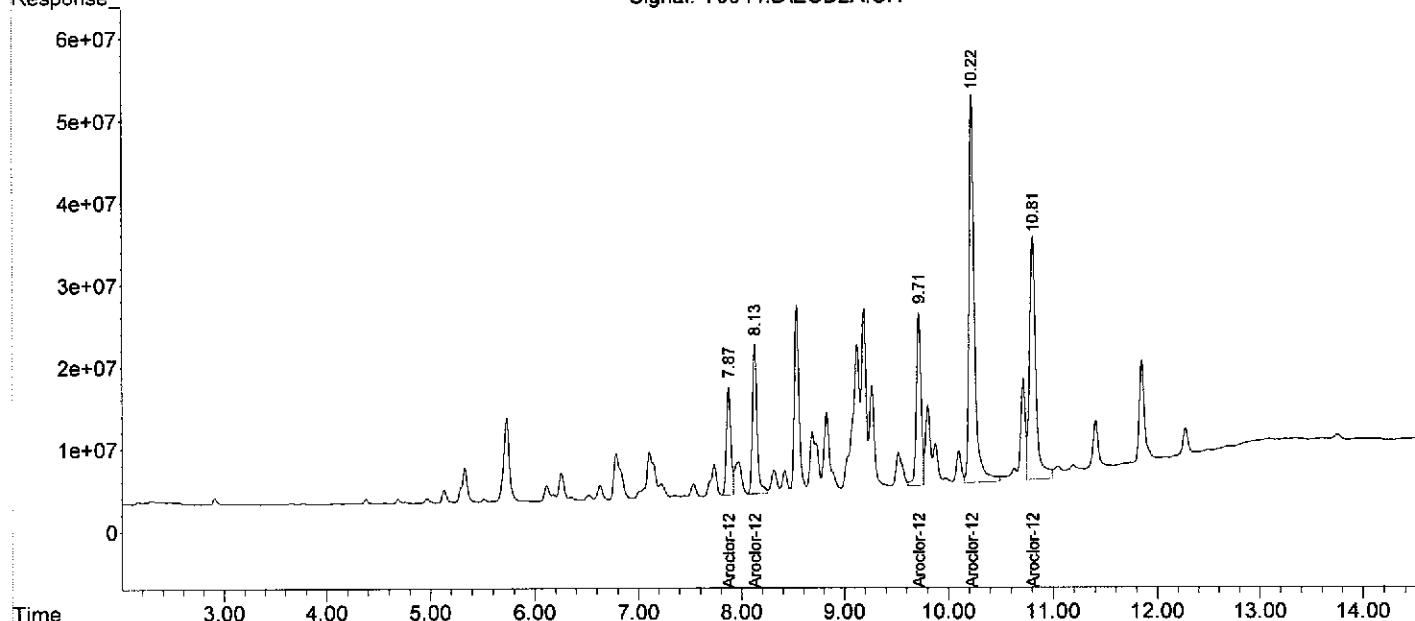
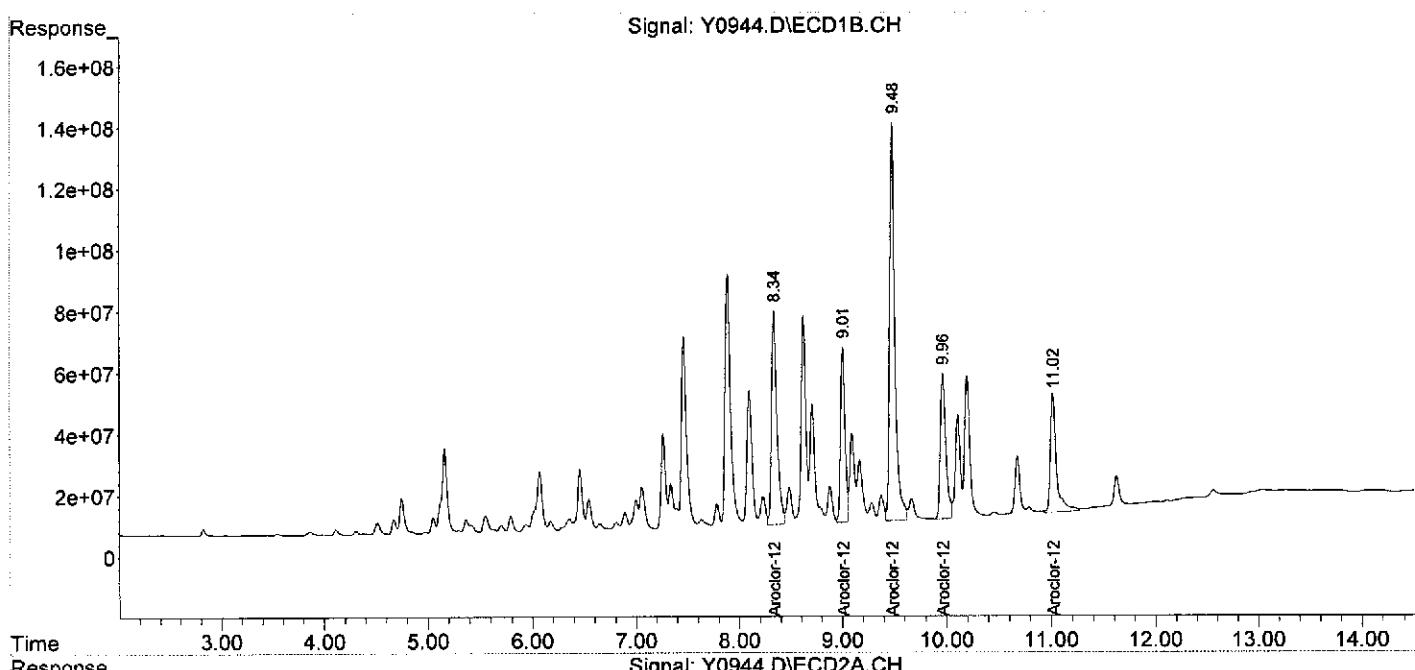
(f)=RT Delta &gt; 1/2 Window (#)=Amounts differ by &gt; 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-21-12\  
Data File : Y0944.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 21 Aug 2012 19:09  
Operator : YG  
Sample : Y-33(0-2.0,08167-024,S,5.55g,10.3,08/14/12,4  
Misc : 120814-03,08/10/12,08/10/12,1000  
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 24 12:22:52 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
Quant Title :  
QLast Update : Tue Jul 31 12:56:15 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-20-12\  
 Data File : Y0922.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 21 Aug 2012 5:08  
 Operator : YG  
 Sample : Y-33(2.0-2,08167-025,S,5.15g,39.0,08/14/12,4  
 Misc : 120814-03,08/10/12,08/10/12,100  
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 24 11:22:36 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
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## System Monitoring Compounds

Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
28) L7 Aroclor-1254	6.46	7.11	867.9E6	310.0E6	147.326	143.071
29) L7 Aroclor-1254 {2}	6.89	7.69	384.0E6	234.5E6	98.983	137.293 #
30) L7 Aroclor-1254 {3}	7.06	8.31	1115.9E6	273.3E6	150.547	162.298
31) L7 Aroclor-1254 {4}	7.49	8.53	1364.1E6	221.6E6	177.373	229.846 #
32) L7 Aroclor-1254 {5}	8.33	9.12	843.0E6	370.2E6	122.174m	154.858 #
Sum Aroclor-1254			4574.8E6	1409.7E6	696.404	827.365
Average Aroclor-1254					139.281	165.473
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
38) L9 Aroclor-1262	8.62	9.71	493.2E6	318.7E6	63.930m	139.402 #
39) L9 Aroclor-1262 {2}	9.48	10.22	1141.7E6	525.7E6	79.192m	104.781 #
40) L9 Aroclor-1262 {3}	10.10	10.71	955.7E6	523.6E6	307.262	316.418
41) L9 Aroclor-1262 {4}	10.19	10.80	1477.0E6	702.7E6	243.093	205.730
42) L9 Aroclor-1262 {5}	11.01	11.40	747.2E6	68363397	165.709	121.546 #
Sum Aroclor-1262			4814.8E6	2138.9E6	859.186	887.877
Average Aroclor-1262					171.837	177.575
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

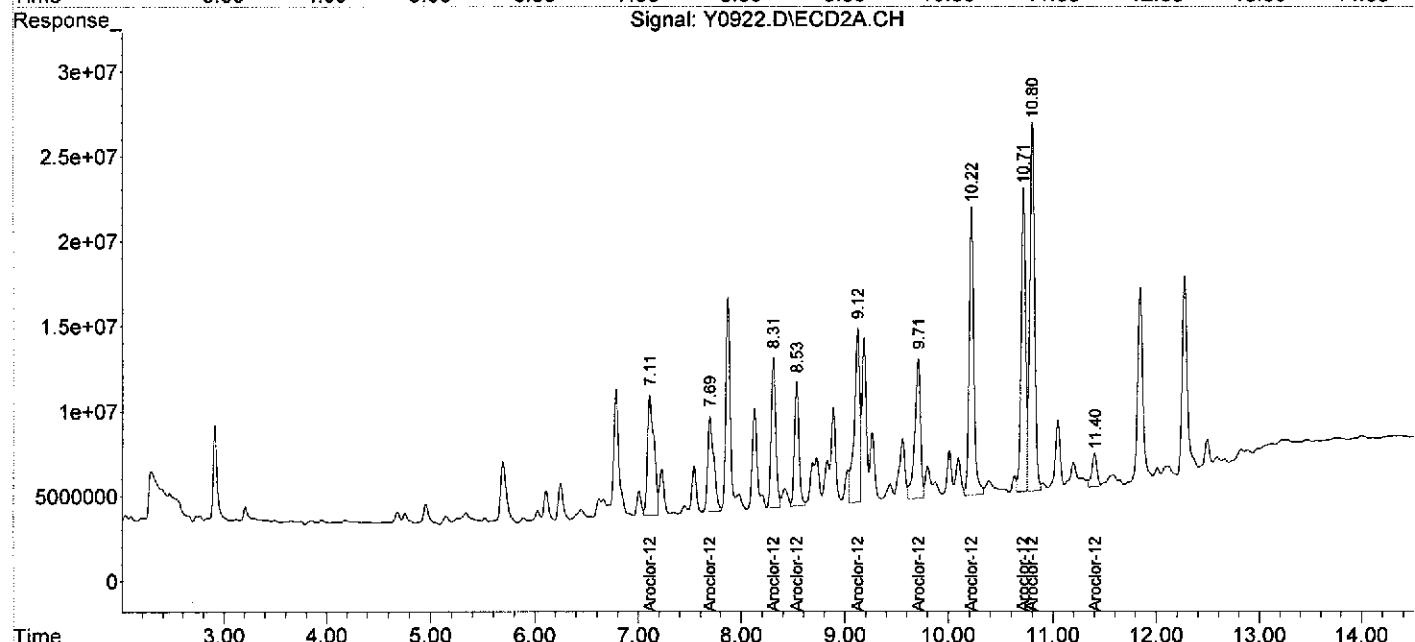
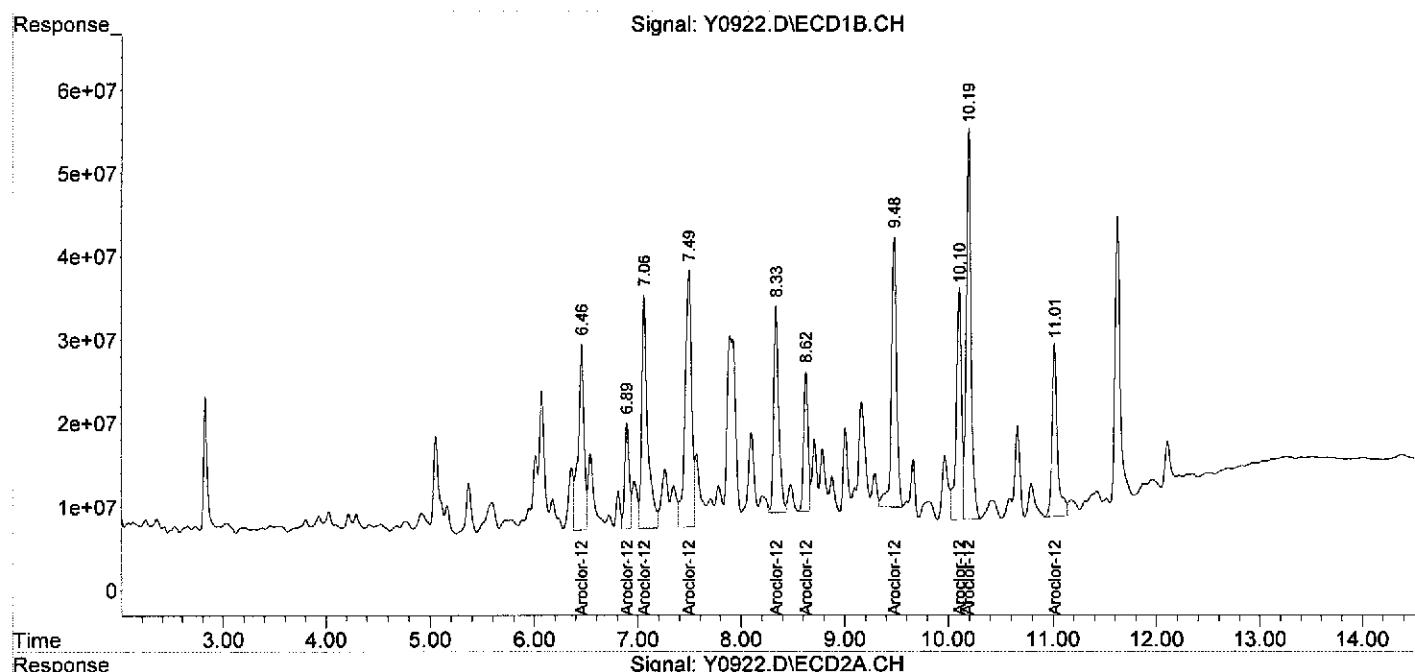
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-20-12\  
Data File : Y0922.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 21 Aug 2012 5:08  
Operator : YG  
Sample : Y-33 (2.0-2,08167-025,S,5.15g,39.0,08/14/12,4  
Misc : 120814-03,08/10/12,08/10/12,100  
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 24 11:22:36 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
Quant Title :  
QLast Update : Tue Jul 31 12:56:15 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-21-12\  
 Data File : Y0945.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 21 Aug 2012 19:26  
 Operator : YG  
 Sample : Y-33(2.5-3,08167-026,S,5.26g,38.4,08/14/12,4  
 Misc : 120814-03,08/10/12,08/10/12,100  
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 27 12:50:54 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
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#### System Monitoring Compounds

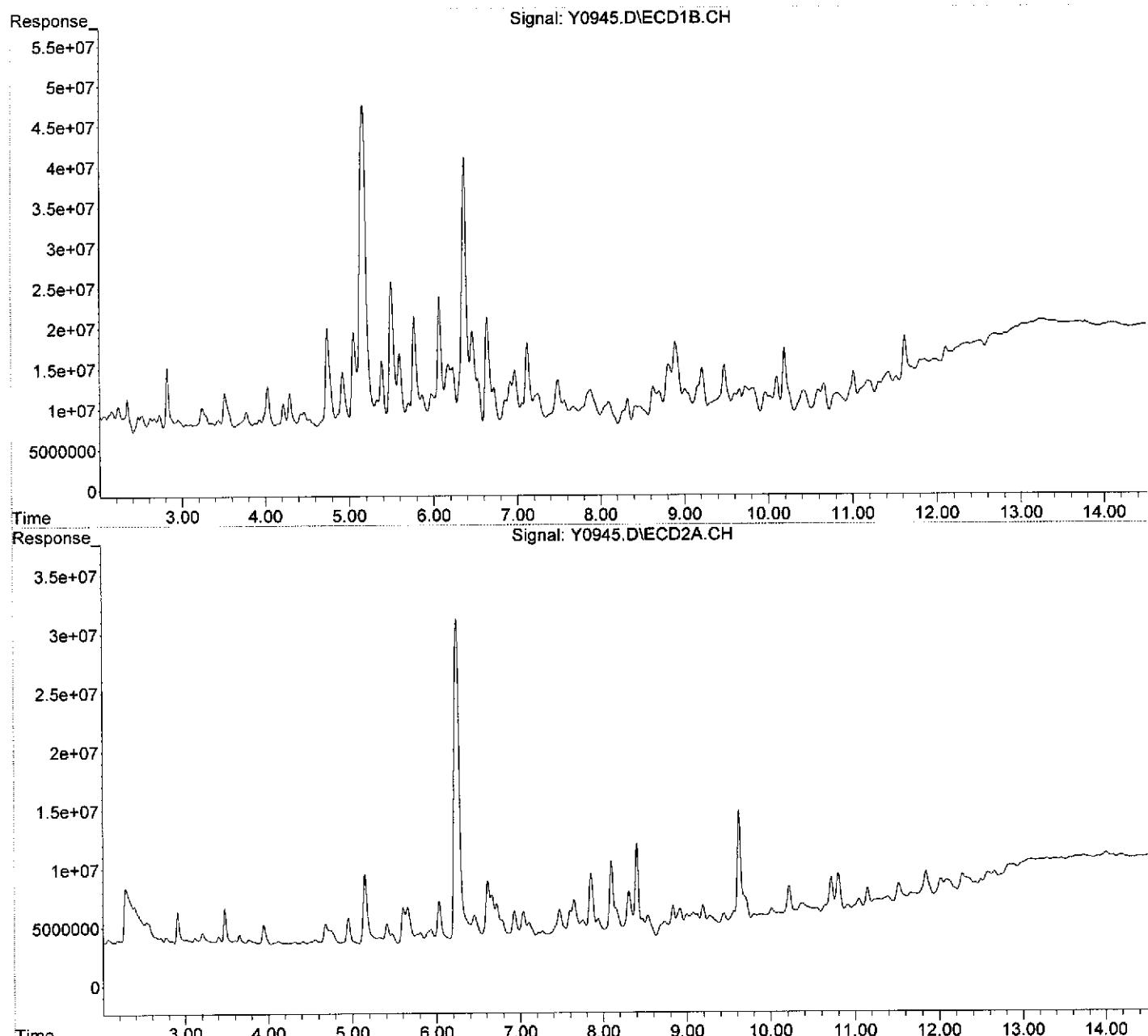
Target Compounds					
Sum Aroclor-1016	0	0	N.D.	N.D.	
Average Aroclor-1016			0.000	0.000	
Sum Aroclor-1221	0	0	N.D.	N.D.	
Average Aroclor-1221			0.000	0.000	
Sum Aroclor-1232	0	0	N.D.	N.D.	
Average Aroclor-1232			0.000	0.000	
Sum Aroclor-1242	0	0	N.D.	N.D.	
Average Aroclor-1242			0.000	0.000	
Sum Aroclor-1248	0	0	N.D.	N.D.	
Average Aroclor-1248			0.000	0.000	
Sum Aroclor-1254	0	0	N.D.	N.D.	
Average Aroclor-1254			0.000	0.000	
Sum Aroclor-1260	0	0	N.D.	N.D.	
Average Aroclor-1260			0.000	0.000	
Sum Aroclor-1262	0	0	N.D.	N.D.	
Average Aroclor-1262			0.000	0.000	
Sum Aroclor-1268	0	0	N.D.	N.D.	
Average Aroclor-1268			0.000	0.000	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\08-21-12\  
Data File : Y0945.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 21 Aug 2012 19:26  
Operator : YG  
Sample : Y-33(2.5-3,08167-026,S,5.26g,38.4,08/14/12,4  
Misc : 120814-03,08/10/12,08/10/12,100  
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 27 12:50:54 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
Quant Title :  
QLast Update : Tue Jul 31 12:56:15 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-20-12\  
 Data File : Y0924.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 21 Aug 2012 5:42  
 Operator : YG  
 Sample : Y-33(3.25-,08167-027,S,5.16g,81.7,08/14/12,4  
 Misc : 120814-03,08/10/12,08/10/12,1  
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 24 11:28:40 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.91	18831.0E6	6762.9E6	198.074	193.487
Spiked Amount	200.000			Recovery	= 99.04%	96.74%
2) S DCB	12.11	12.49	4676.2E6	1912.4E6	226.910	222.544
Spiked Amount	200.000			Recovery	= 113.46%	111.27%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.13	111.8E6	46516290	25.360m	29.180m
24) L6 Aroclor-1248 {2}	5.05	5.71	48867980	66341399	20.162m	28.319 #
25) L6 Aroclor-1248 {3}	5.37	6.12	32761287	35967500	10.677m	21.234m#
26) L6 Aroclor-1248 {4}	6.07	6.26	77848498	35321183	13.969m	24.300m#
27) L6 Aroclor-1248 {5}	6.39	6.61	170.6E6	27667303	40.960m	32.952m
Sum Aroclor-1248			441.9E6	211.8E6	111.127	135.985
Average Aroclor-1248					22.225	27.197
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

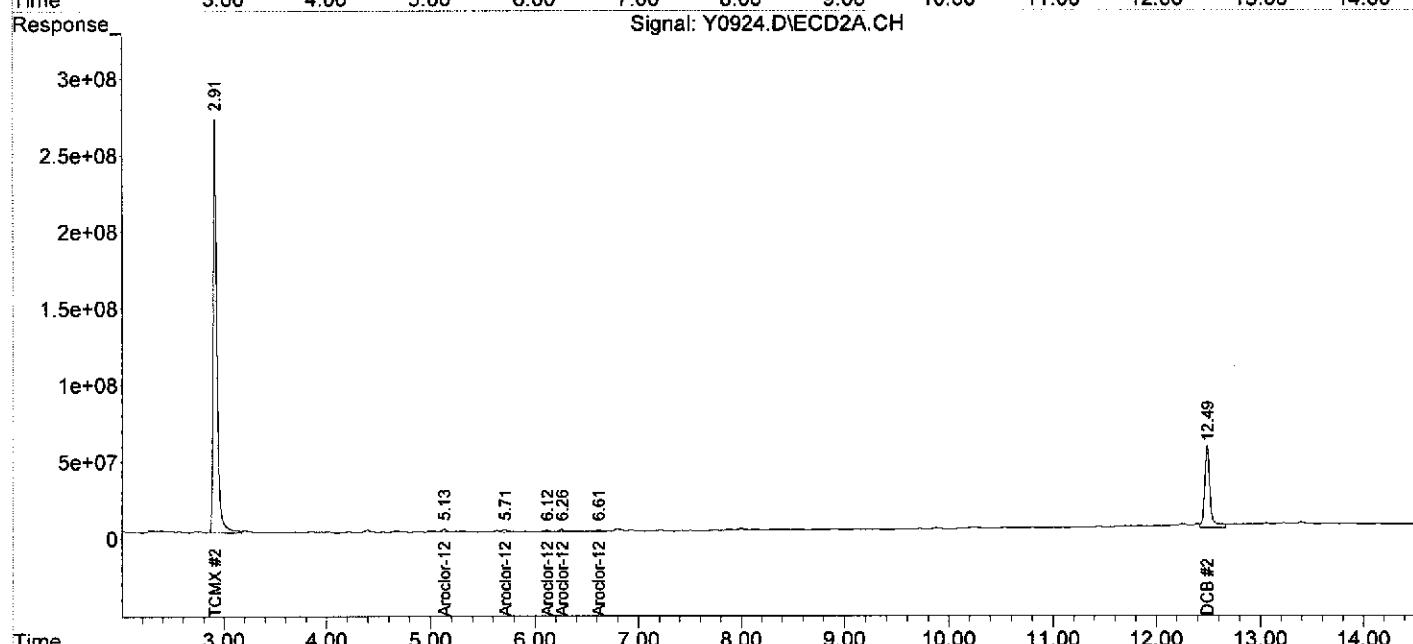
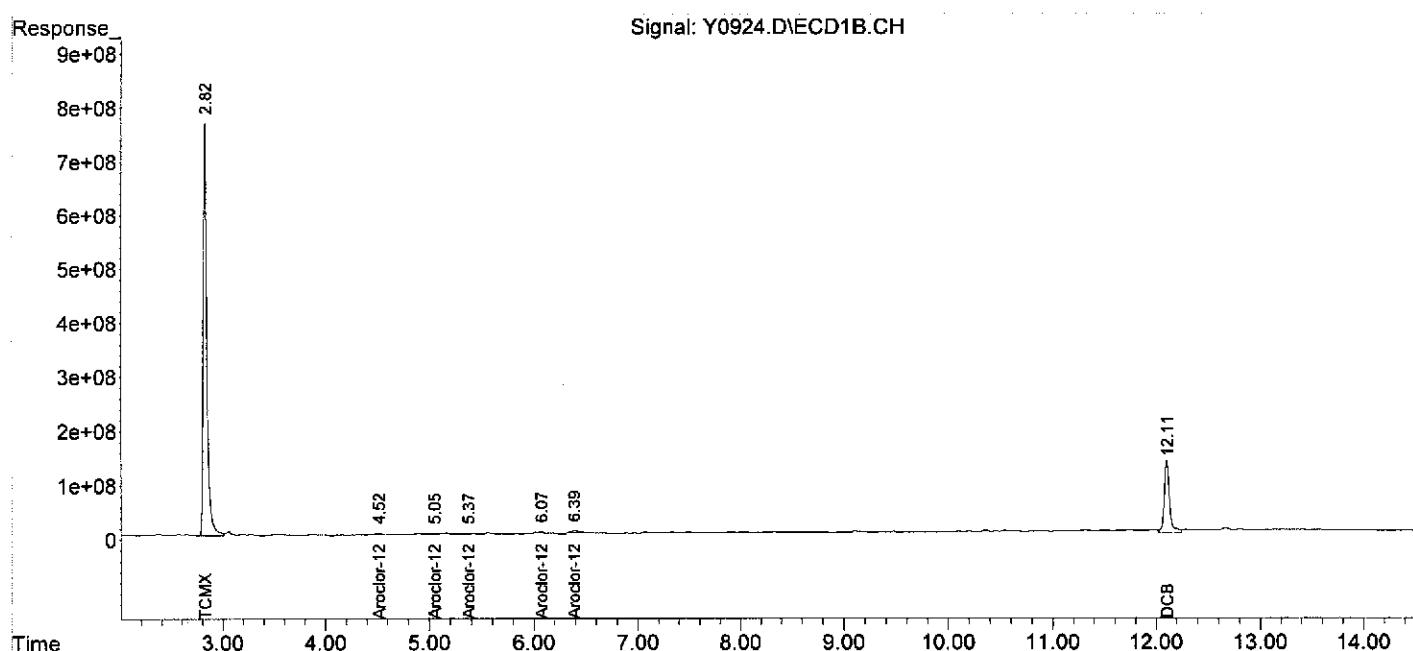
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-20-12\  
Data File : Y0924.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 21 Aug 2012 5:42  
Operator : YG  
Sample : Y-33(3.25-,08167-027,S,5.16g,81.7,08/14/12,4  
Misc : 120814-03,08/10/12,08/10/12,1  
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 24 11:28:40 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
Quant Title :  
QLast Update : Tue Jul 31 12:56:15 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-20-12\  
 Data File : Y0925.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 21 Aug 2012 5:59  
 Operator : YG  
 Sample : Y-33(4.25-,08167-028,S,5.62g,23.0,08/14/12,4  
 Misc : 120814-03,08/10/12,08/10/12,1  
 ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 24 11:30:56 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

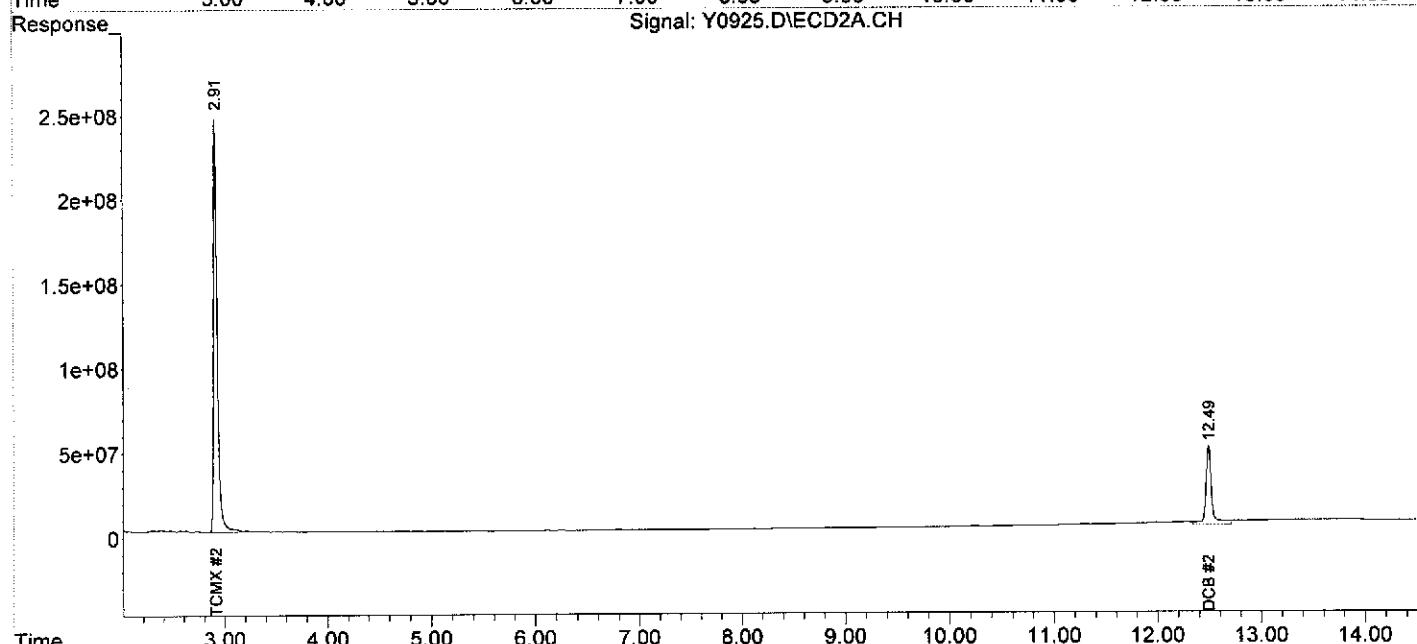
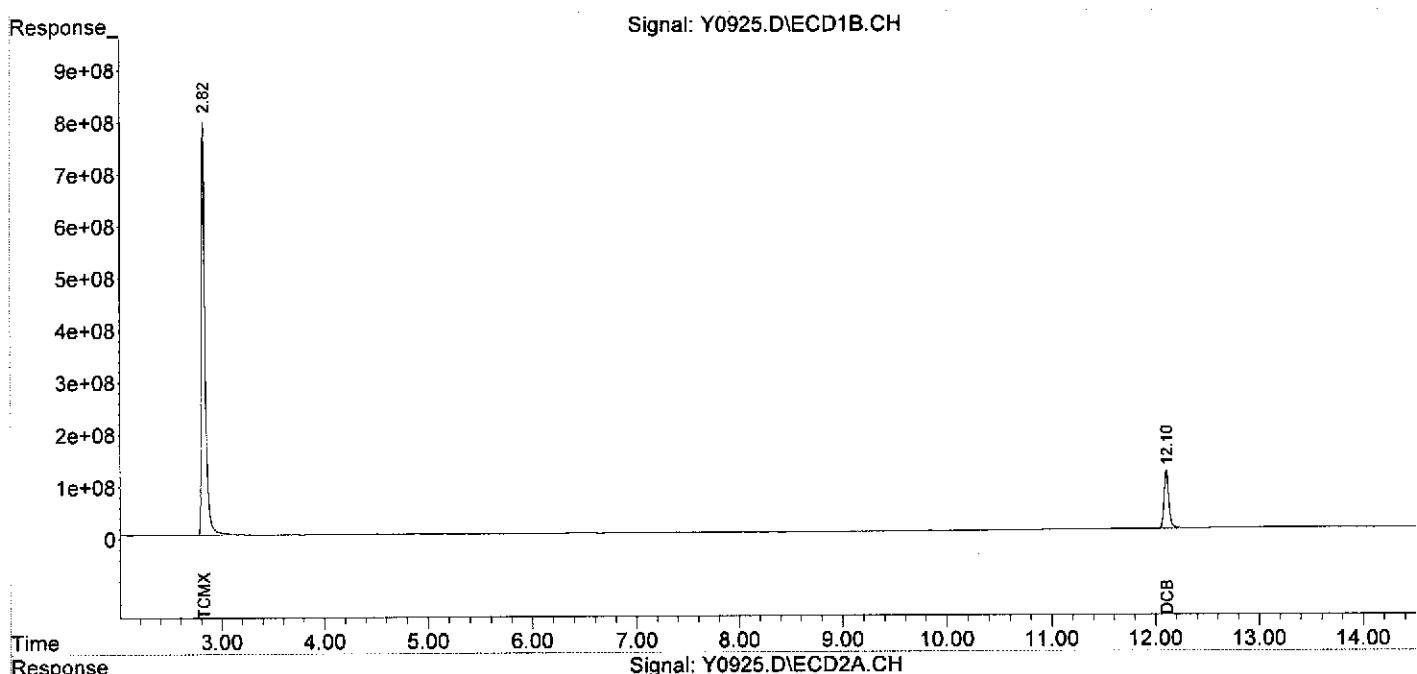
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.91	19898.4E6	6162.8E6	209.301	176.318
Spiked Amount	200.000			Recovery	= 104.65%	88.16%
2) S DCB	12.11	12.49	3570.4E6	1909.8E6	173.252	222.242 #
Spiked Amount	200.000			Recovery	= 86.63%	111.12%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\08-20-12\  
Data File : Y0925.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 21 Aug 2012 5:59  
Operator : YG  
Sample : Y-33(4.25-,08167-028,S,5.62g,23.0,08/14/12,4  
Misc : 120814-03,08/10/12,08/10/12,1  
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 24 11:30:56 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
Quant Title :  
QLast Update : Tue Jul 31 12:56:15 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-20-12\  
 Data File : Y0926.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 21 Aug 2012 6:16  
 Operator : YG  
 Sample : R-17(0-2.0,08167-029,S,5.30g,6.30,08/14/12,4  
 Misc : 120814-03,08/10/12,08/10/12,1  
 ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 24 11:33:46 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.91	21084.9E6	6327.7E6	221.781	181.038
Spiked Amount	200.000			Recovery	= 110.89%	90.52%
2) S DCB	12.10	12.49	4054.3E6	1719.2E6	196.735	200.058
Spiked Amount	200.000			Recovery	= 98.37%	100.03%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.13	2704.1E6	832.8E6	613.325	522.458
24) L6 Aroclor-1248	{2}	5.05	5.71	2156.0E6	1844.3E6	889.523
25) L6 Aroclor-1248	{3}	5.37	6.11	2869.6E6	1388.4E6	935.175
26) L6 Aroclor-1248	{4}	6.07	6.26	7785.4E6	1452.0E6	1396.957m
27) L6 Aroclor-1248	{5}	6.34	6.62	5195.8E6	873.8E6	1247.330m
Sum Aroclor-1248				20710.9E6	6391.4E6	5082.309
Average Aroclor-1248					1016.462	4169.075
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

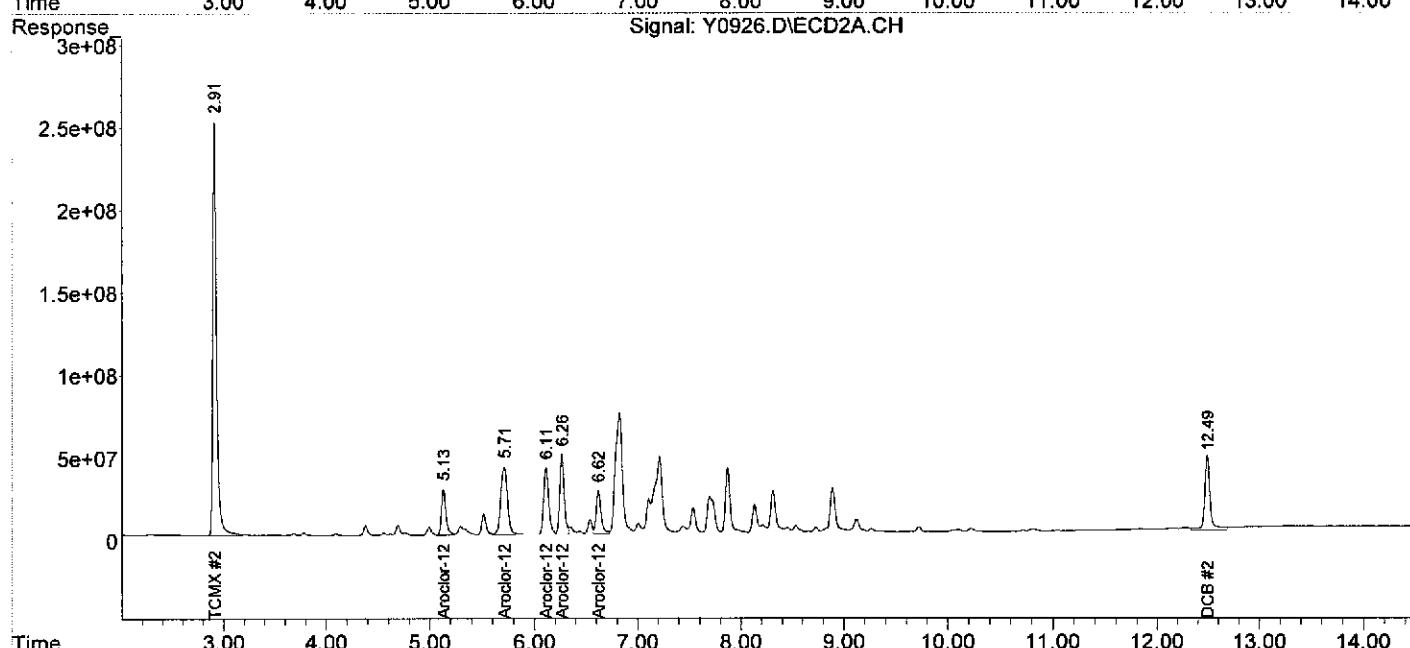
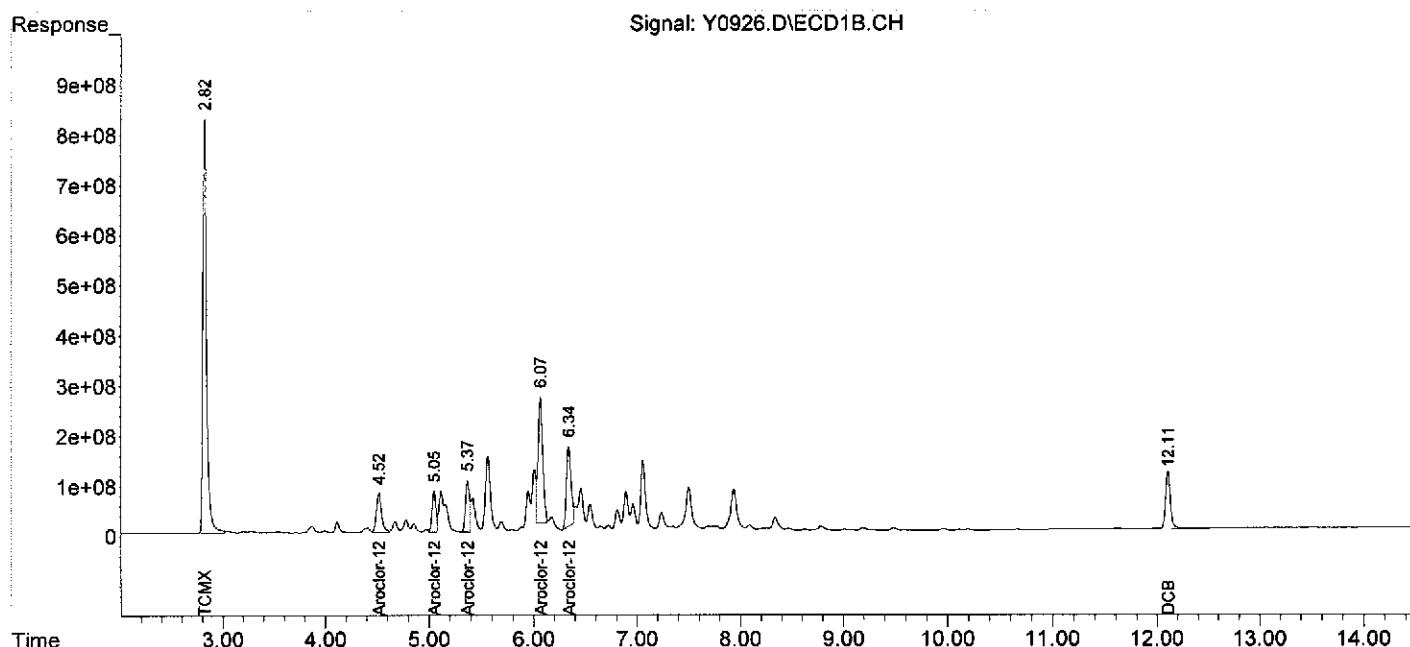
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-20-12\  
Data File : Y0926.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 21 Aug 2012 6:16  
Operator : YG  
Sample : R-17(0-2.0,08167-029,S,5.30g,6.30,08/14/12,4  
Misc : 120814-03,08/10/12,08/10/12,1  
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 24 11:33:46 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
Quant Title :  
QLast Update : Tue Jul 31 12:56:15 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-21-12\  
 Data File : Y0946.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 21 Aug 2012 19:44  
 Operator : YG  
 Sample : R-17(2.0-4,08167-030,S,5.38g,10.9,08/14/12,4  
 Misc : 120814-03,08/10/12,08/10/12,1000  
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 24 12:32:38 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
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#### System Monitoring Compounds

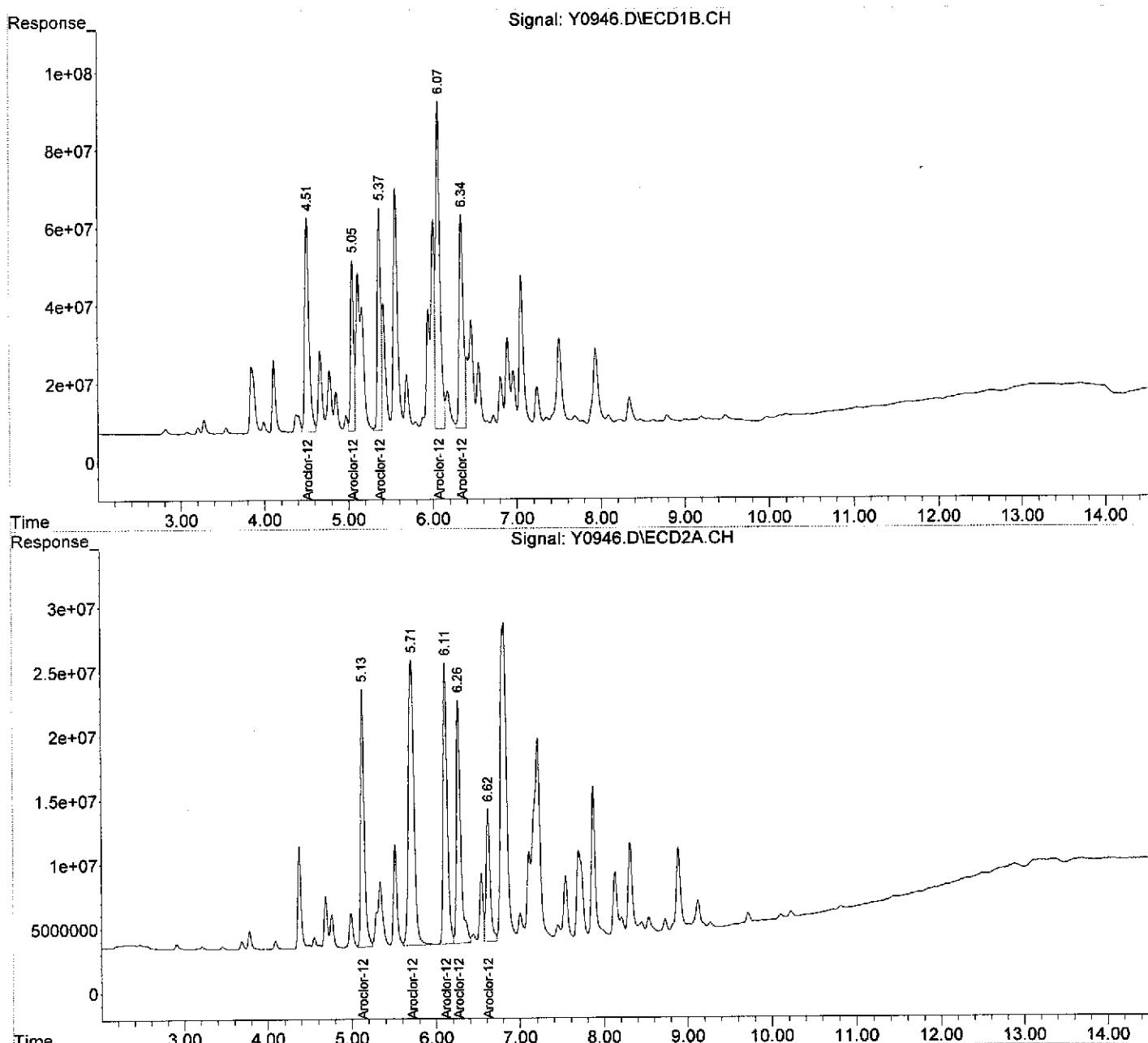
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.51	5.13	1924.9E6	596.1E6	436.587	373.964
24) L6 Aroclor-1248 {2}	5.05	5.71	1158.2E6	1011.0E6	477.857	431.570
25) L6 Aroclor-1248 {3}	5.37	6.11	1622.0E6	735.6E6	528.589	434.272
26) L6 Aroclor-1248 {4}	6.07	6.26	2892.4E6	657.2E6	518.989	452.120
27) L6 Aroclor-1248 {5}	6.34	6.62	1888.3E6	345.3E6	453.313	411.293
Sum Aroclor-1248			9485.8E6	3345.3E6	2415.336	2103.219
Average Aroclor-1248					483.067	420.644
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\08-21-12\  
Data File : Y0946.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 21 Aug 2012 19:44  
Operator : YG  
Sample : R-17(2.0-4,08167-030,S,5.38g,10.9,08/14/12,4  
Misc : 120814-03,08/10/12,08/10/12,1000  
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 24 12:32:38 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
Quant Title :  
QLast Update : Tue Jul 31 12:56:15 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-21-12\  
 Data File : Y0947.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 21 Aug 2012 20:01  
 Operator : YG  
 Sample : R-17(4.0-5,08167-031,S,5.46g,13.1,08/14/12,4  
 Misc : 120814-03,08/10/12,08/10/12,1000  
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 24 12:33:40 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
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#### System Monitoring Compounds

Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.13	4389.7E6	1265.7E6	995.644	794.000
24) L6 Aroclor-1248	{2}	5.05	5.71	1393.7E6	1388.6E6	575.013
25) L6 Aroclor-1248	{3}	5.37	6.11	1500.1E6	791.1E6	488.873
26) L6 Aroclor-1248	{4}	6.07	6.26	3059.2E6	589.8E6	548.914
27) L6 Aroclor-1248	{5}	6.34	6.62	1260.8E6	360.5E6	302.681
Sum Aroclor-1248				11603.5E6	4395.6E6	2911.126
Average Aroclor-1248					582.225	2688.814
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

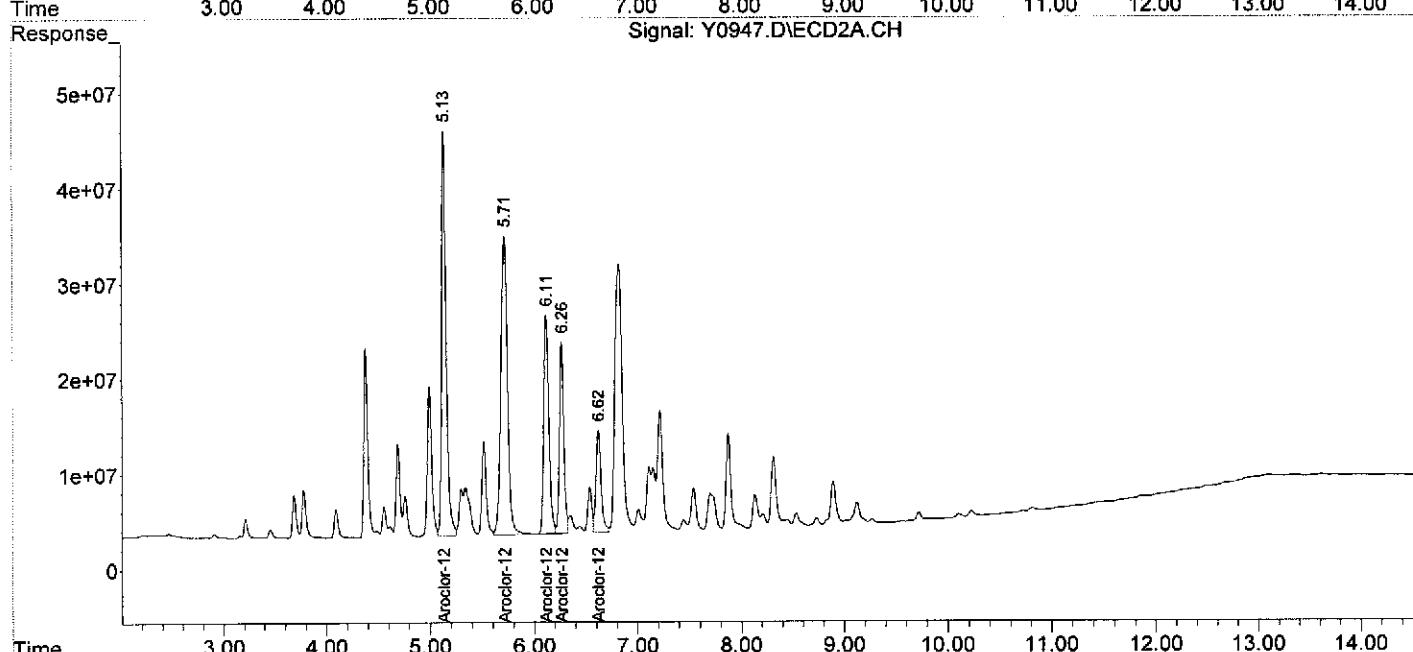
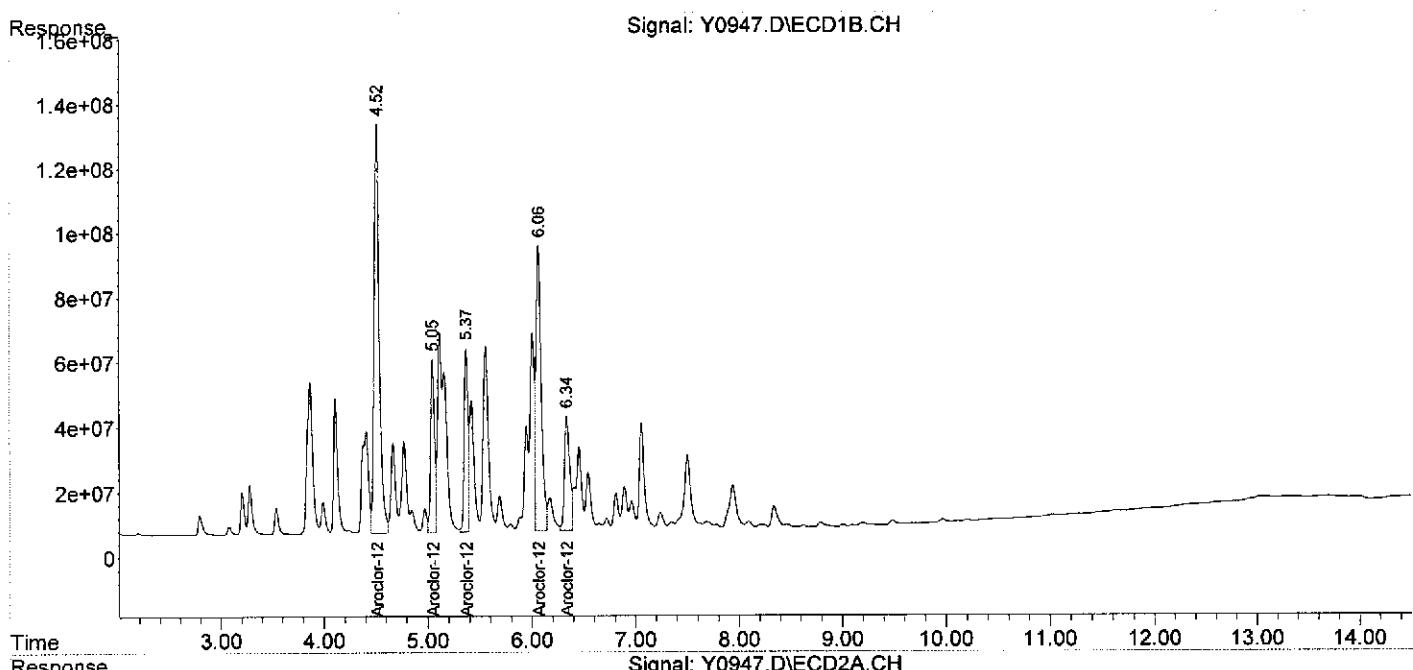
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-21-12\  
Data File : Y0947.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 21 Aug 2012 20:01  
Operator : YG  
Sample : R-17(4.0-5,08167-031,S,5.46g,13.1,08/14/12,4  
Misc : 120814-03,08/10/12,08/10/12,1000  
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 24 12:33:40 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
Quant Title :  
QLast Update : Tue Jul 31 12:56:15 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-21-12\  
 Data File : Y0948.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 21 Aug 2012 20:18  
 Operator : YG  
 Sample : R-17(5.0-6,08167-032,S,5.55g,18.2,08/14/12,4  
 Misc : 120814-03,08/10/12,08/10/12,10  
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 24 12:38:36 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
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System Monitoring Compounds

1) S TCMX	2.82	2.91	2787.4E6	819.1E6	29.319	23.435
Spiked Amount	200.000			Recovery	=	14.66% 11.72%
2) S DCB	12.10	12.49	543.7E6	187.9E6	26.382m	21.861m
Spiked Amount	200.000			Recovery	=	13.19% 10.93%

Target Compounds

Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000

Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000

Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000

Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000

23) L6 Aroclor-1248	4.51	5.13	2815.8E6	843.9E6	638.652	529.401
24) L6 Aroclor-1248	{2}	5.05	5.71	951.6E6	977.0E6	392.592 417.041
25) L6 Aroclor-1248	{3}	5.37	6.11	1038.9E6	558.2E6	338.559 329.572
26) L6 Aroclor-1248	{4}	6.07	6.26	2325.6E6	434.1E6	417.291 298.655 #
27) L6 Aroclor-1248	{5}	6.34	6.62	928.1E6	271.5E6	222.795 323.363 #
Sum Aroclor-1248				8059.9E6	3084.8E6	2009.889 1898.031
Average Aroclor-1248						401.978 379.606

Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000

Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000

Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

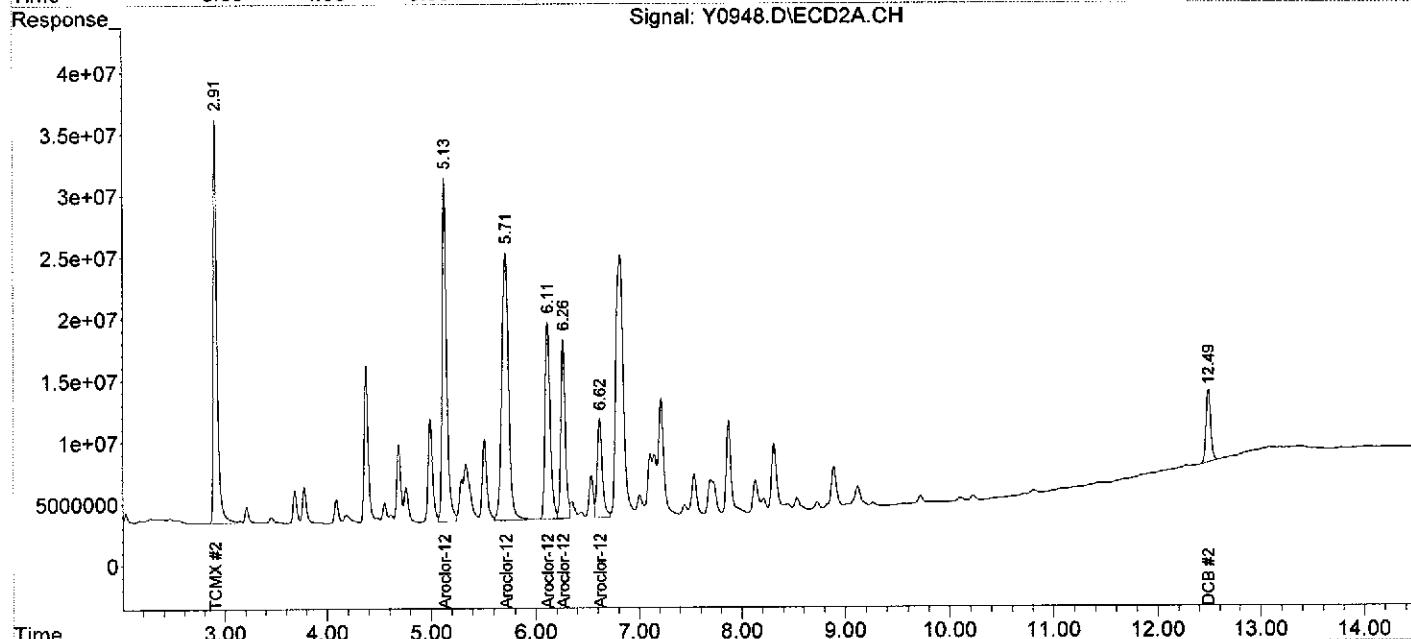
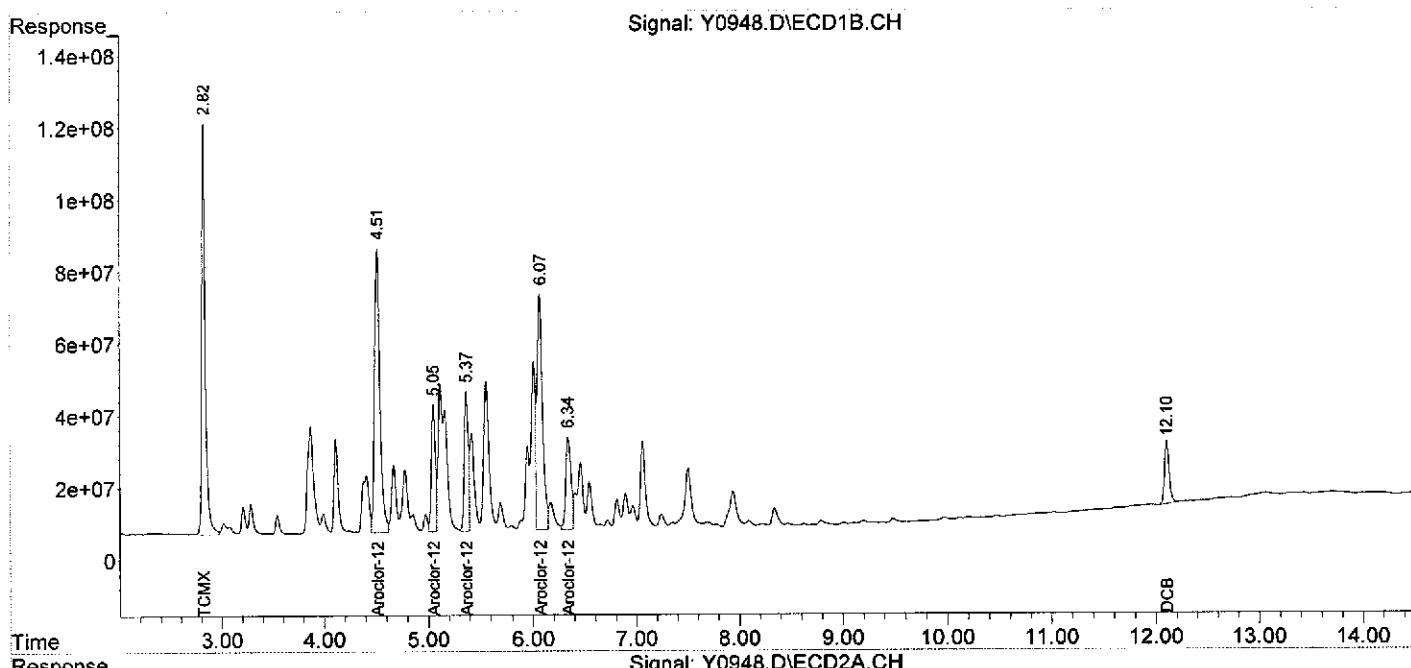
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-21-12\  
Data File : Y0948.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 21 Aug 2012 20:18  
Operator : YG  
Sample : R-17(5.0-6,08167-032,S,5.55g,18.2,08/14/12,4  
Misc : 120814-03,08/10/12,08/10/12,10  
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 24 12:38:36 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
Quant Title :  
QLast Update : Tue Jul 31 12:56:15 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-21-12\  
 Data File : Y0949.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 21 Aug 2012 20:35  
 Operator : YG  
 Sample : Q-17(0-2.0,08167-033,S,5.61g,21.2,08/14/12,4  
 Misc : 120814-03,08/10/12,08/10/12,1000  
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 24 12:44:38 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248 {1}	4.52	5.13	1068.6E6	342.6E6	242.378	214.936
24) L6 Aroclor-1248 {2}	5.05	5.72	1413.1E6	2237.9E6	583.014	955.305 #
25) L6 Aroclor-1248 {3}	5.37	6.11	2611.2E6	1679.0E6	850.984	991.246
26) L6 Aroclor-1248 {4}	6.07	6.26	11081.9E6	2252.2E6	1988.454	1549.442
27) L6 Aroclor-1248 {5}	6.34	6.62	7777.2E6	1225.6E6	1867.038	1459.675
Sum Aroclor-1248			23952.1E6	7737.4E6	5531.867	5170.604
Average Aroclor-1248					1106.373	1034.121
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

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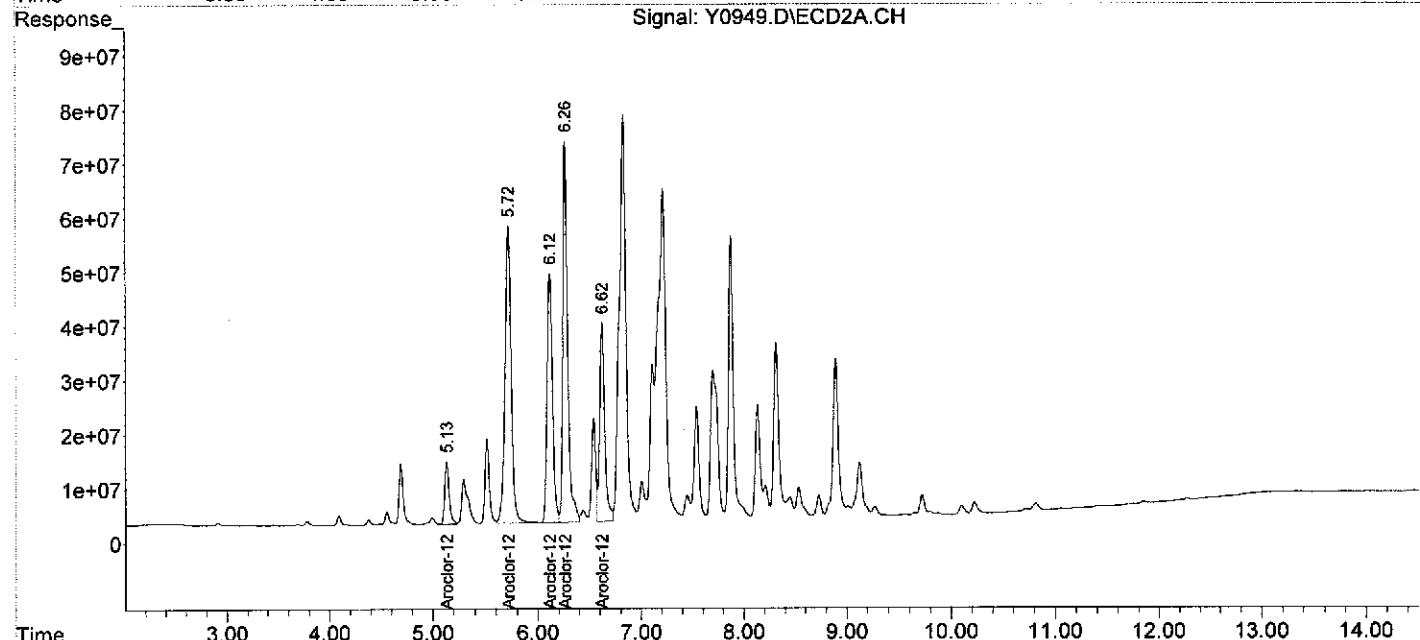
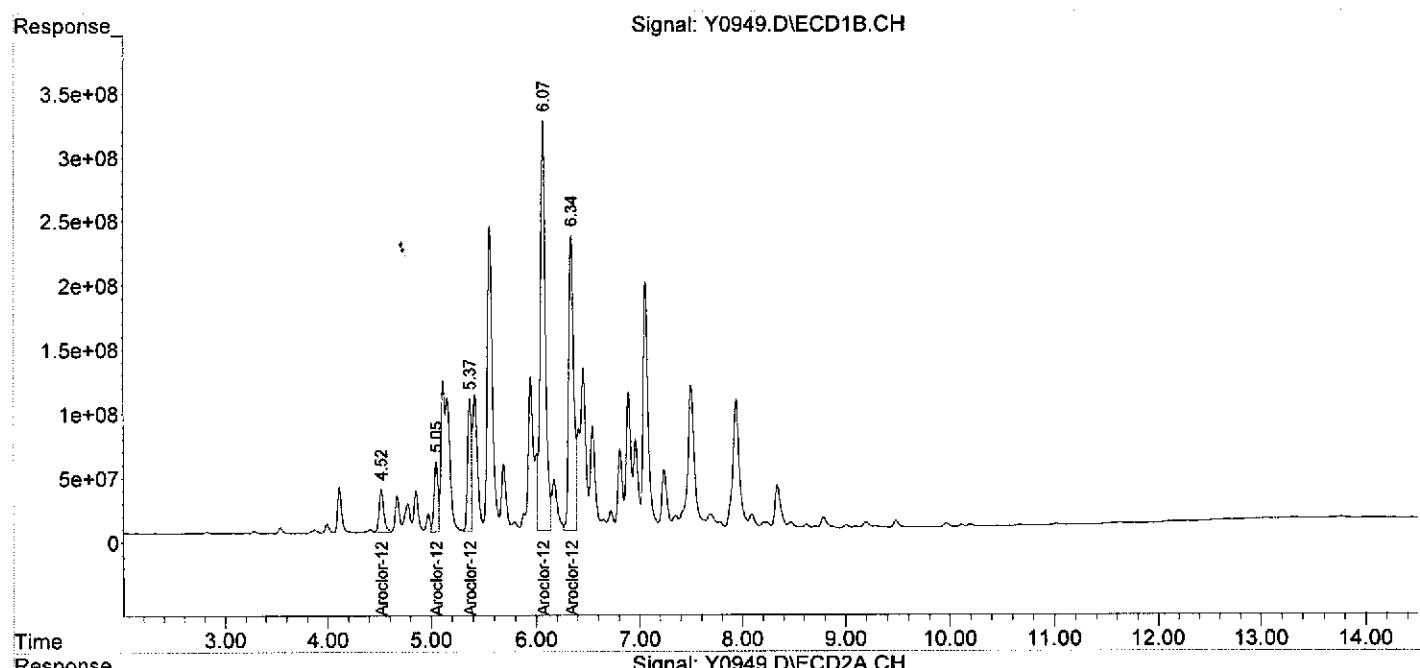
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-21-12\  
Data File : Y0949.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 21 Aug 2012 20:35  
Operator : YG  
Sample : Q-17(0-2.0,08167-033,S,5.61g,21.2,08/14/12,4  
Misc : 120814-03,08/10/12,08/10/12,1000  
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 24 12:44:38 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
Quant Title :  
QLast Update : Tue Jul 31 12:56:15 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-22-12\  
 Data File : Y1008.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 22 Aug 2012 18:20  
 Operator : YG  
 Sample : Q-17(2.0-3,08167-034,S,5.24g,16.8,08/14/12,4  
 Misc : 120814-03,08/10/12,08/10/12,5000  
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 27 12:57:59 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
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#### System Monitoring Compounds

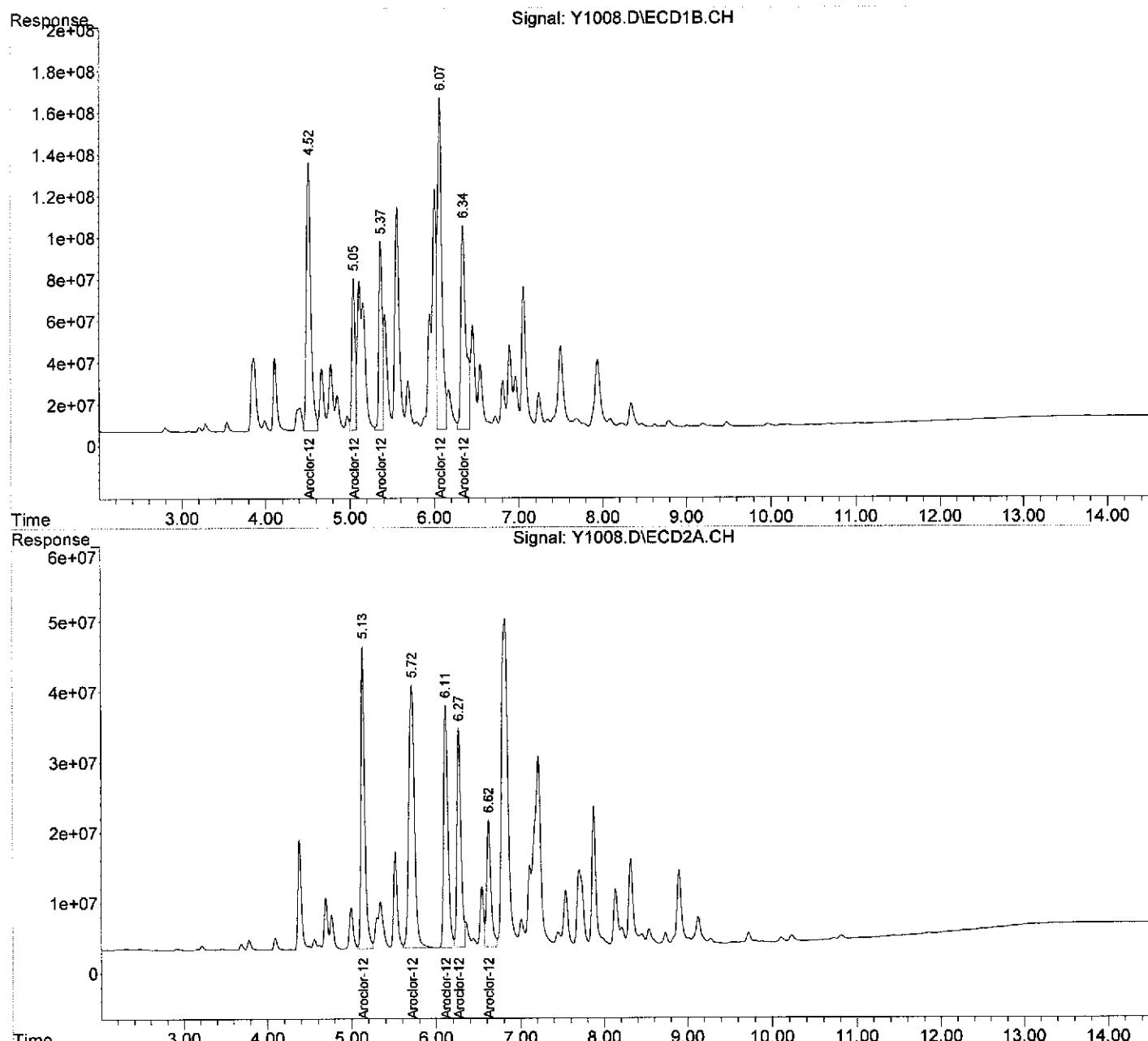
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.13	4719.9E6	1345.5E6	1070.530	844.031
24) L6 Aroclor-1248 {2}	5.05	5.72	2008.6E6	1751.3E6	828.692	747.564
25) L6 Aroclor-1248 {3}	5.37	6.11	2583.3E6	1214.4E6	841.887	716.957
26) L6 Aroclor-1248 {4}	6.07	6.27	5827.7E6	1038.9E6	1045.671	714.754 #
27) L6 Aroclor-1248 {5}	6.34	6.62	4097.5E6	632.6E6	983.658	753.445
Sum Aroclor-1248			19236.9E6	5982.7E6	4770.438	3776.751
Average Aroclor-1248					954.088	755.350
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\08-22-12\  
Data File : Y1008.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 22 Aug 2012 18:20  
Operator : YG  
Sample : Q-17(2.0-3,08167-034,S,5.24g,16.8,08/14/12,4  
Misc : 120814-03,08/10/12,08/10/12,5000  
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 27 12:57:59 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
Quant Title :  
QLast Update : Tue Jul 31 12:56:15 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-21-12\  
 Data File : Y0951.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 21 Aug 2012 21:09  
 Operator : YG  
 Sample : Q-17(4.0-4,08167-035,S,5.63g,65.8,08/14/12,4  
 Misc : 120814-03,08/10/12,08/10/12,100  
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 27 12:55:07 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
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#### System Monitoring Compounds

Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.13	1155.4E6	370.3E6	262.056	232.311
24) L6 Aroclor-1248 {2}	5.05	5.72	358.5E6	391.2E6	147.928	166.980
25) L6 Aroclor-1248 {3}	5.37	6.11	413.4E6	237.1E6	134.725	139.985
26) L6 Aroclor-1248 {4}	6.07	6.26	863.6E6	174.4E6	154.949	120.009
27) L6 Aroclor-1248 {5}	6.34	6.62	369.3E6	102.8E6	88.652	122.408 #
Sum Aroclor-1248			3160.2E6	1275.8E6	788.311	781.692
Average Aroclor-1248					157.662	156.338
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

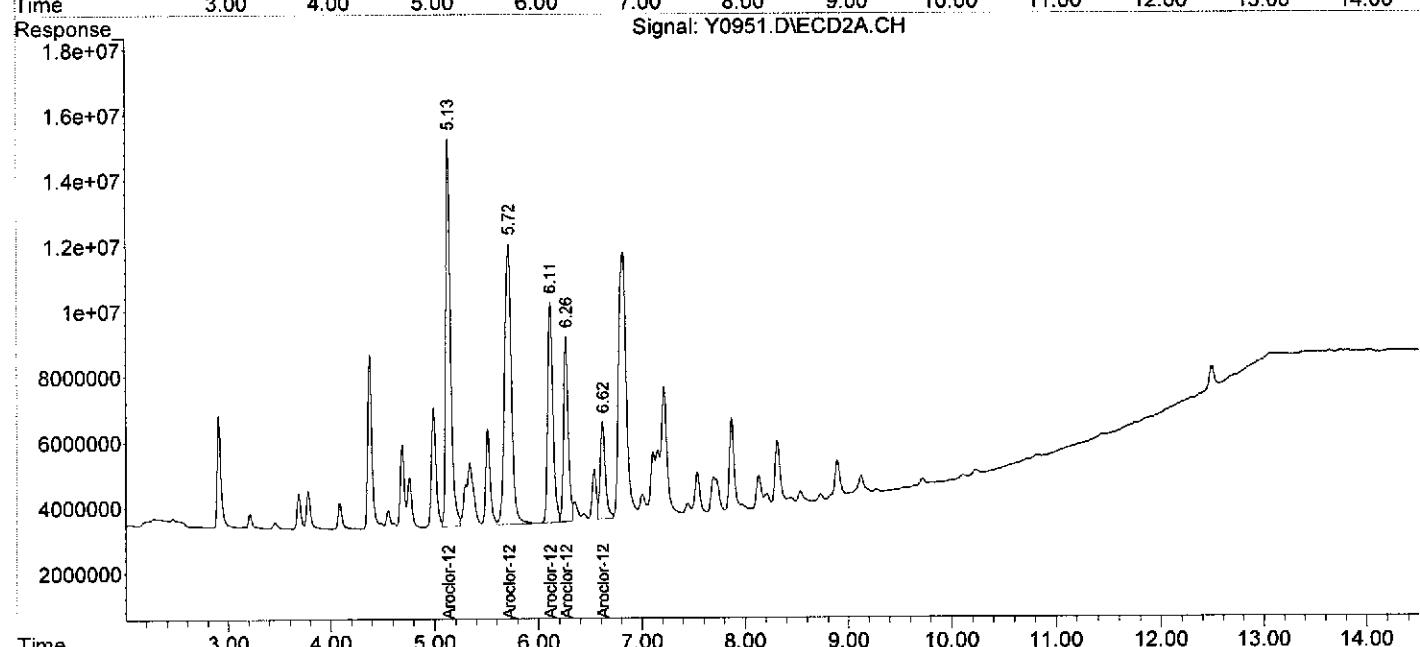
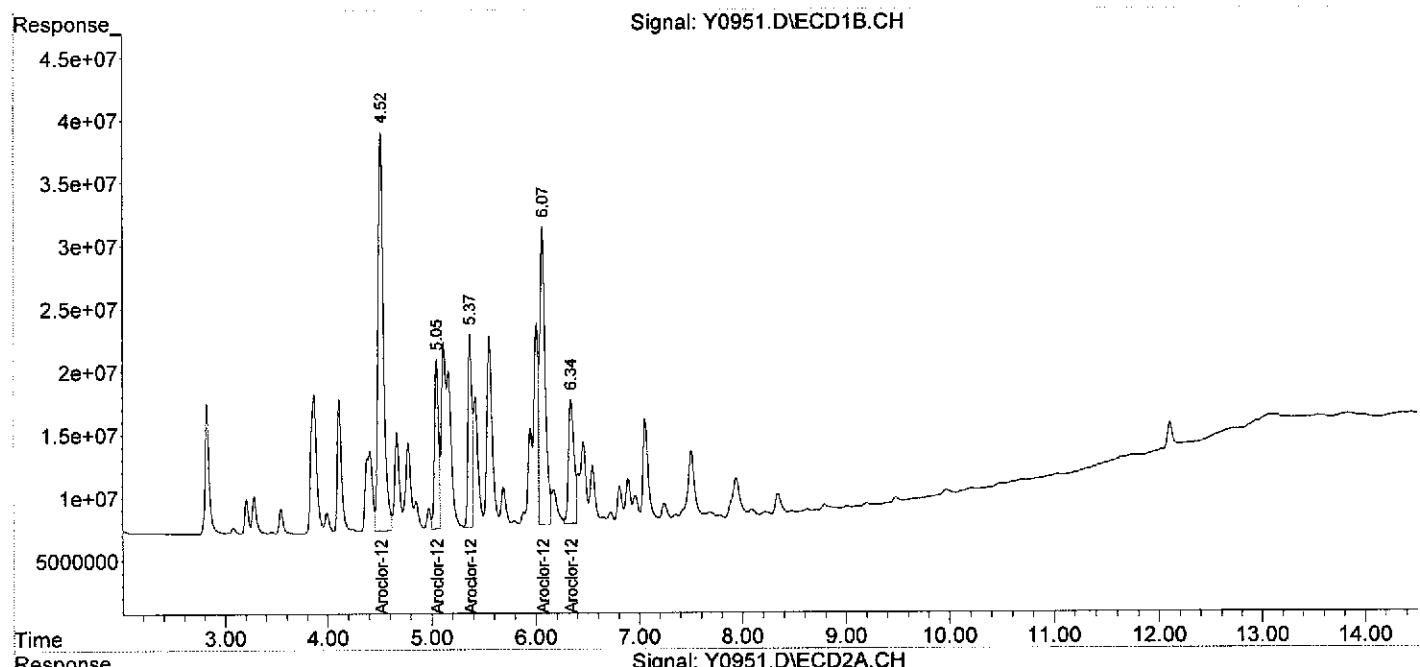
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-21-12\  
Data File : Y0951.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 21 Aug 2012 21:09  
Operator : YG  
Sample : Q-17(4.0-4,08167-035,S,5.63g,65.8,08/14/12,4  
Misc : 120814-03,08/10/12,08/10/12,100  
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 27 12:55:07 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
Quant Title :  
QLast Update : Tue Jul 31 12:56:15 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-20-12\  
 Data File : Y0933.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 21 Aug 2012 8:17  
 Operator : YG  
 Sample : Q-17(4.5-6,08167-036,S,5.16g,21.5,08/14/12,4  
 Misc : 120814-03,08/10/12,08/10/12,1  
 ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 24 11:36:08 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.91	21504.4E6	6492.0E6	226.193	185.738
Spiked Amount	200.000			Recovery	= 113.10%	92.87%
2) S DCB	12.10	12.49	4602.5E6	1793.6E6	223.332	208.712
Spiked Amount	200.000			Recovery	= 111.67%	104.36%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.13	1986.5E6	630.3E6	450.572	395.400
24) L6 Aroclor-1248 {2}	5.05	5.72	679.3E6	708.9E6	280.268	302.622
25) L6 Aroclor-1248 {3}	5.37	6.11	791.2E6	443.6E6	257.851	261.887
26) L6 Aroclor-1248 {4}	6.07	6.26	1658.7E6	347.5E6	297.632	239.052
27) L6 Aroclor-1248 {5}	6.34	6.62	827.5E6	197.6E6	198.663	235.396
Sum Aroclor-1248			5943.3E6	2328.0E6	1484.985	1434.356
Average Aroclor-1248					296.997	286.871
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

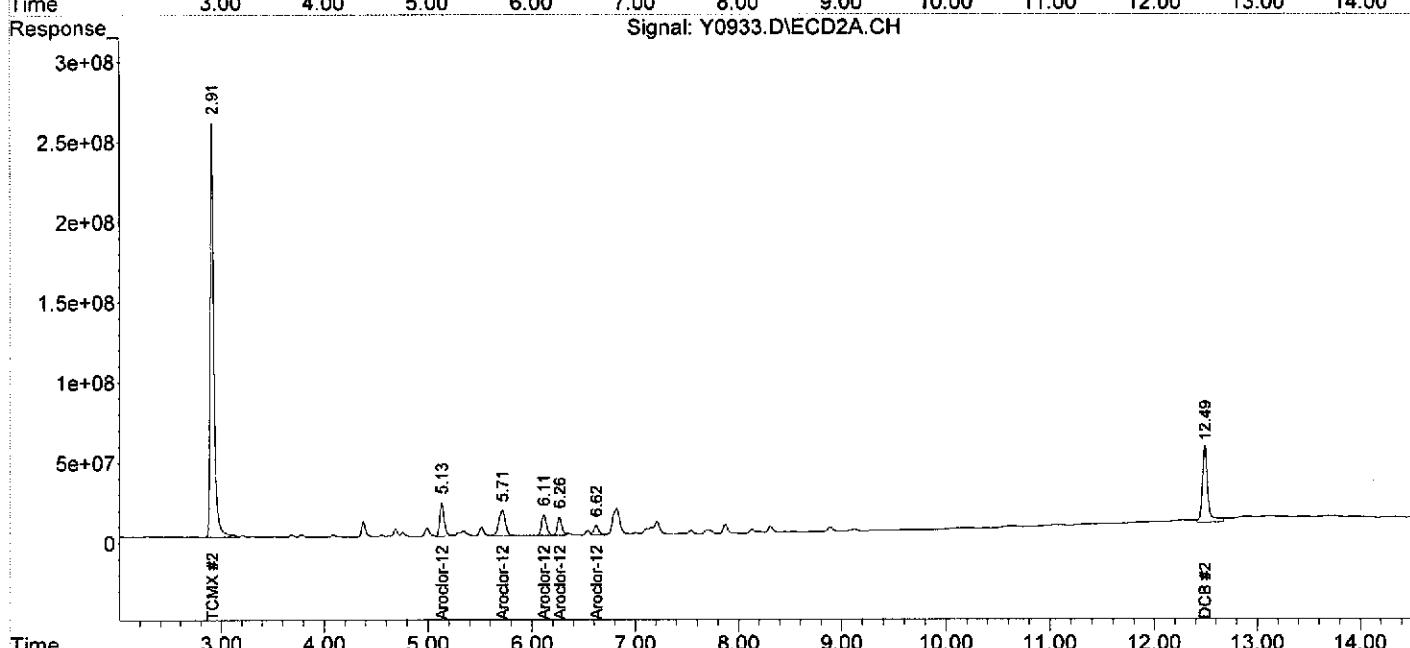
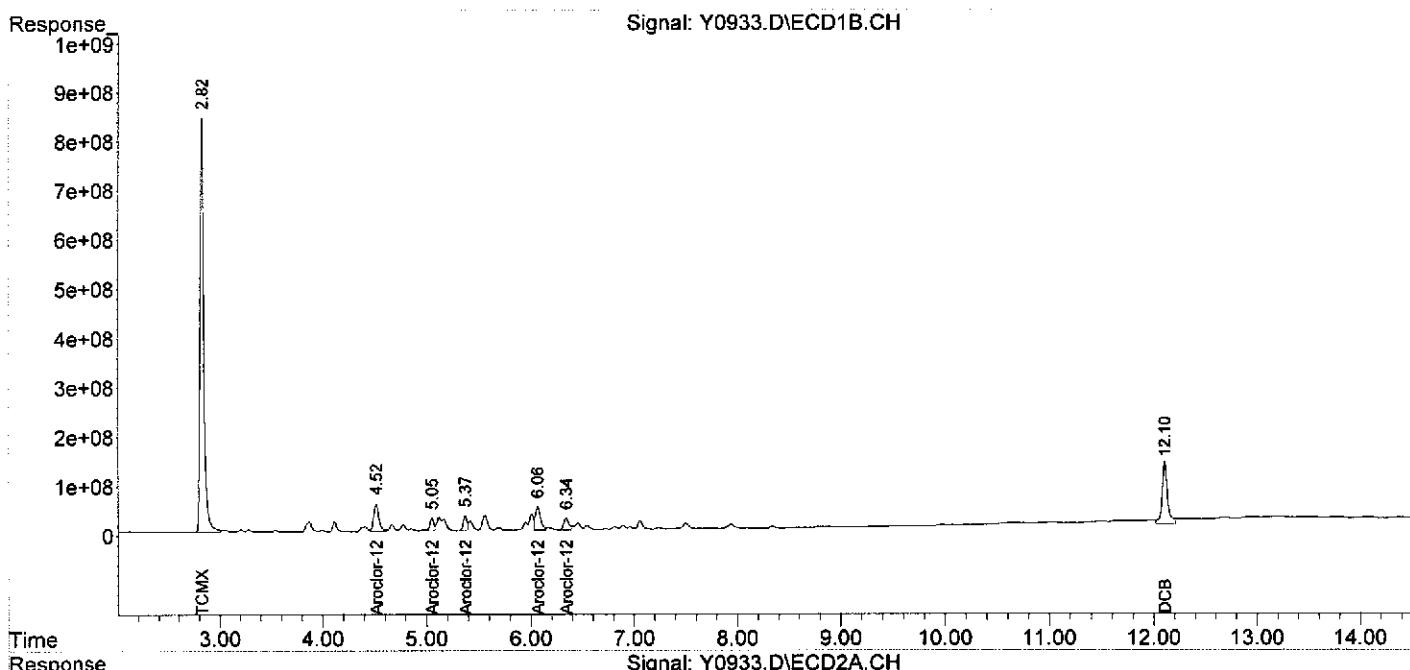
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-20-12\  
Data File : Y0933.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 21 Aug 2012 8:17  
Operator : YG  
Sample : Q-17(4.5-6,08167-036,S,5.16g,21.5,08/14/12,4  
Misc : 120814-03,08/10/12,08/10/12,1  
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 24 11:36:08 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
Quant Title :  
QLast Update : Tue Jul 31 12:56:15 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-20-12\  
 Data File : Y0934.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 21 Aug 2012 8:34  
 Operator : YG  
 Sample : P-17(0-2.0,08167-037,S,5.14g,24.9,08/14/12,4  
 Misc : 120814-03,08/10/12,08/10/12,10  
 ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 24 11:39:33 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.91	2415.6E6	766.9E6	25.409	21.940
Spiked Amount	200.000			Recovery	=	12.70%
2) S DCB	12.10	12.49	417.6E6	181.5E6	20.262m	21.121m
Spiked Amount	200.000			Recovery	=	10.13%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.13	6937.8E6	2077.7E6	1573.568	1303.378
24) L6 Aroclor-1248 {2}	5.05	5.71	4723.9E6	4432.3E6	1949.000m	1891.996
25) L6 Aroclor-1248 {3}	5.37	6.11	6035.3E6	2902.7E6	1966.869	1713.702
26) L6 Aroclor-1248 {4}	6.07	6.26	12288.1E6	2594.1E6	2204.891m	1784.647
27) L6 Aroclor-1248 {5}	6.34	6.62	8409.6E6	1593.9E6	2018.841m	1898.331
Sum Aroclor-1248			38394.8E6	13600.7E6	9713.169	8592.053
Average Aroclor-1248					1942.634	1718.411
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

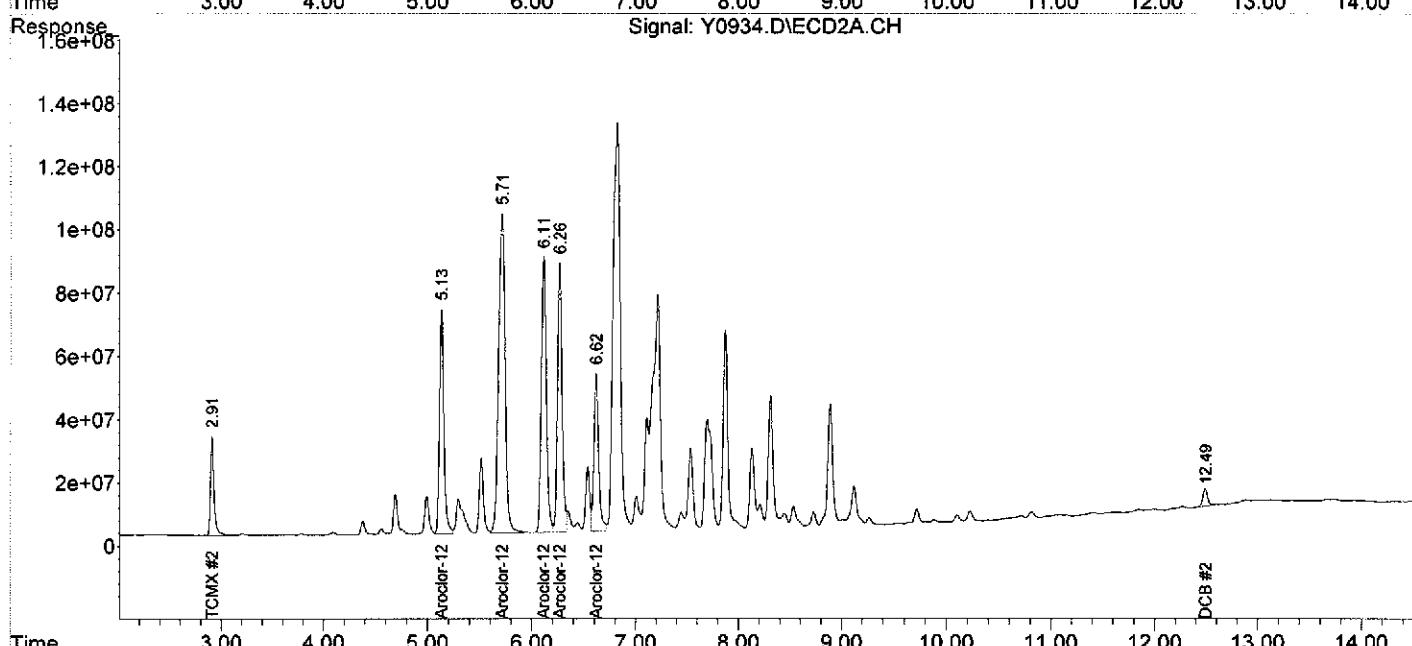
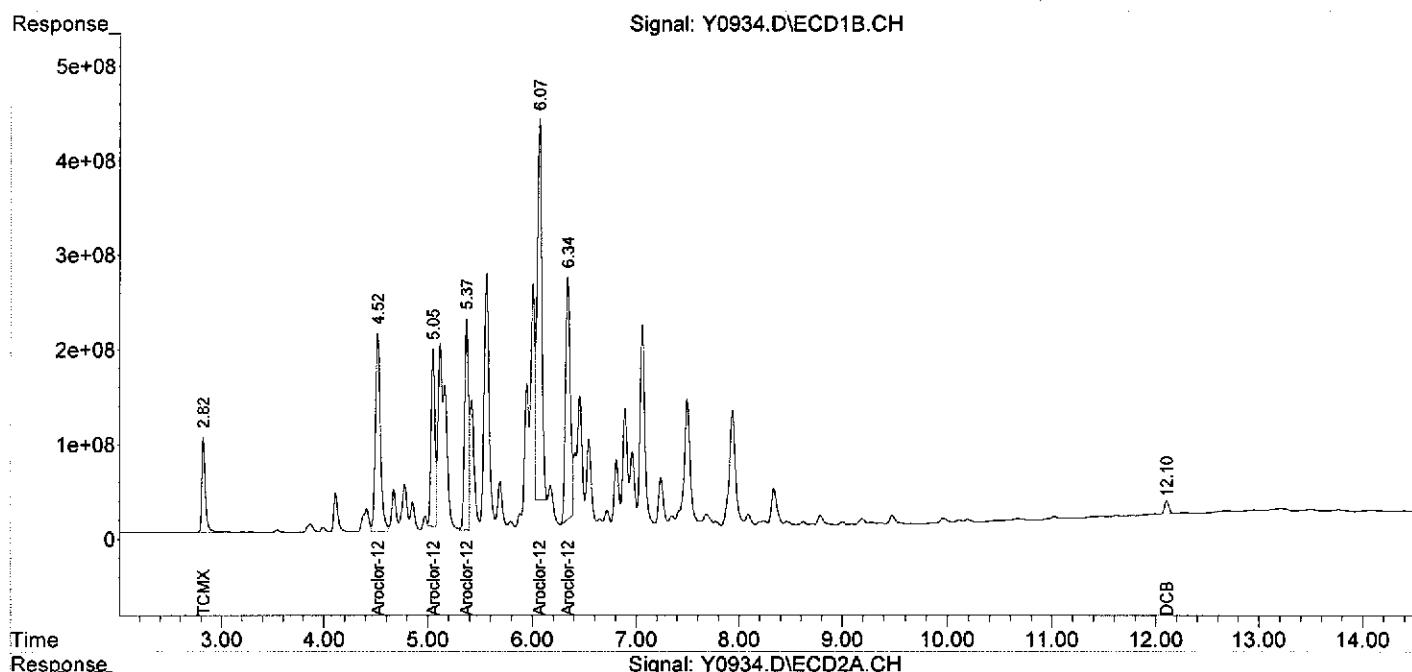
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-20-12\  
Data File : Y0934.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 21 Aug 2012 8:34  
Operator : YG  
Sample : P-17(0-2.0,08167-037,S,5.14g,24.9,08/14/12,4  
Misc : 120814-03,08/10/12,08/10/12,10  
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 24 11:39:33 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
Quant Title :  
QLast Update : Tue Jul 31 12:56:15 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-22-12\  
 Data File : Y1009.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 22 Aug 2012 18:37  
 Operator : YG  
 Sample : P-17(2.0-4,08167-038,S,5.49g,28.3,08/14/12,4  
 Misc : 120814-03,08/10/12,08/10/12,5000  
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 27 12:58:30 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
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## System Monitoring Compounds

Target Compounds						
					N.D.	N.D.
Sum Aroclor-1016			0	0	0.000	0.000
Average Aroclor-1016						
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.13	1522.3E6	481.4E6	345.270	301.984
24) L6 Aroclor-1248 {2}	5.05	5.71	755.6E6	661.8E6	311.734	282.495
25) L6 Aroclor-1248 {3}	5.37	6.11	1015.4E6	470.9E6	330.924	277.993
26) L6 Aroclor-1248 {4}	6.07	6.27	1962.3E6	426.4E6	352.093	293.349
27) L6 Aroclor-1248 {5}	6.34	6.62	1439.9E6	240.5E6	345.664	286.441
Sum Aroclor-1248			6695.4E6	2281.0E6	1685.685	1442.263
Average Aroclor-1248					337.137	288.453
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

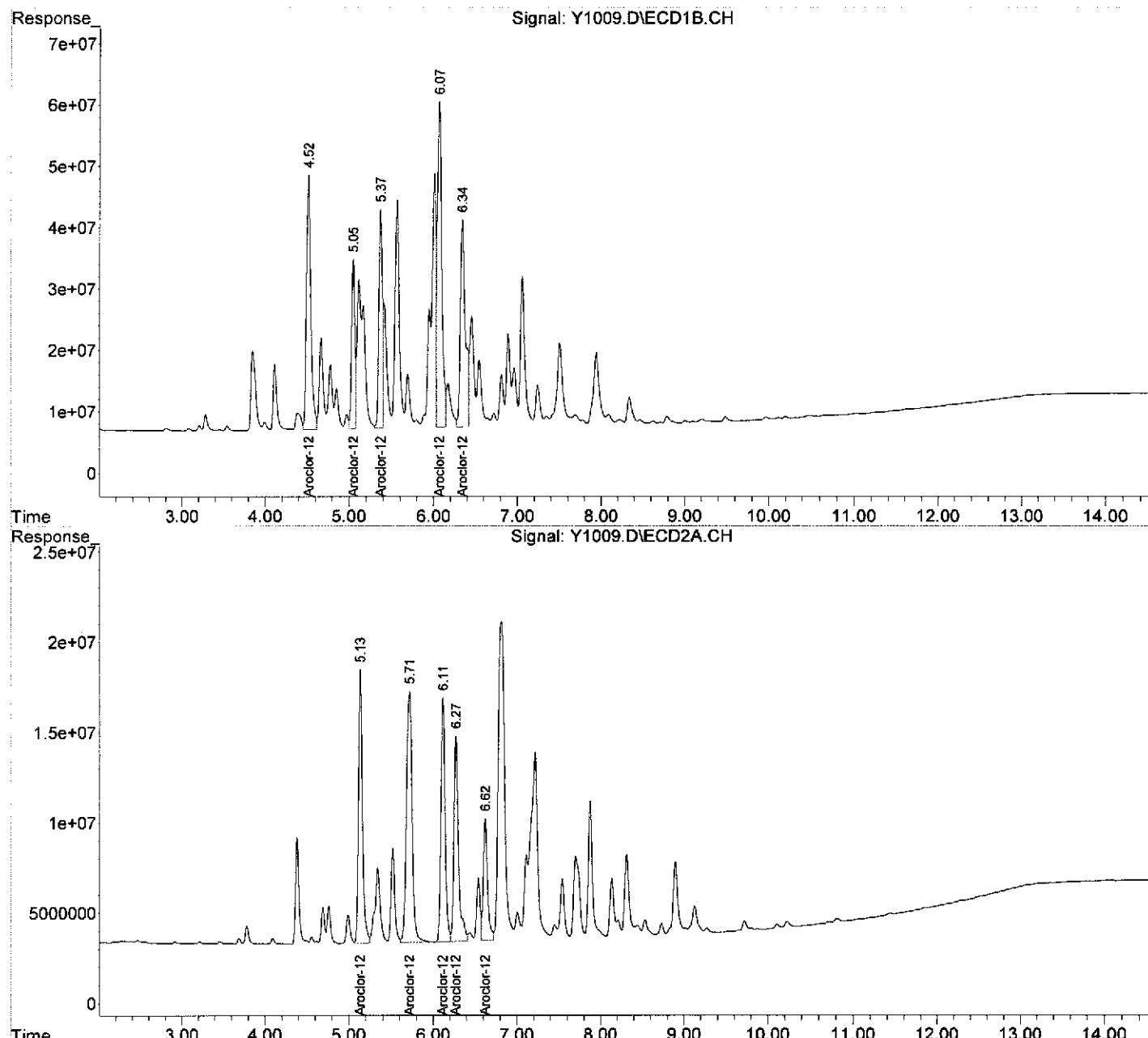
(f)=RT Delta &gt; 1/2 Window (#)=Amounts differ by &gt; 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-22-12\  
Data File : Y1009.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 22 Aug 2012 18:37  
Operator : YG  
Sample : P-17(2.0-4,08167-038,S,5.49g,28.3,08/14/12,4  
Misc : 120814-03,08/10/12,08/10/12,5000  
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 27 12:58:30 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
Quant Title :  
QLast Update : Tue Jul 31 12:56:15 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-20-12\  
 Data File : Y0936.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 21 Aug 2012 9:08  
 Operator : YG  
 Sample : P-17(4.0-6,08167-039,S,5.55g,21.7,08/14/12,4  
 Misc : 120814-03,08/10/12,08/10/12,1  
 ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 24 11:42:36 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.91	21164.8E6	6354.1E6	222.621	181.792
Spiked Amount	200.000			Recovery	= 111.31%	90.90%
2) S DCB	12.10	12.49	5697.3E6	2160.8E6	276.457	251.443
Spiked Amount	200.000			Recovery	= 138.23%	125.72%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.13	9487.3E6	2978.0E6	2151.832m	1868.150
24) L6 Aroclor-1248	{2}	5.05	5.71	4147.6E6	3705.2E6	1711.237m 1581.637
25) L6 Aroclor-1248	{3}	5.37	6.11	5929.3E6	2661.8E6	1932.299 1571.470
26) L6 Aroclor-1248	{4}	6.06	6.27	9896.8E6	2421.0E6	1775.807m 1665.558
27) L6 Aroclor-1248	{5}	6.34	6.62	6640.6E6	1340.8E6	1594.179m 1596.875
Sum Aroclor-1248				36101.6E6	13106.8E6	9165.354 8283.690
Average Aroclor-1248					1833.071	1656.738
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

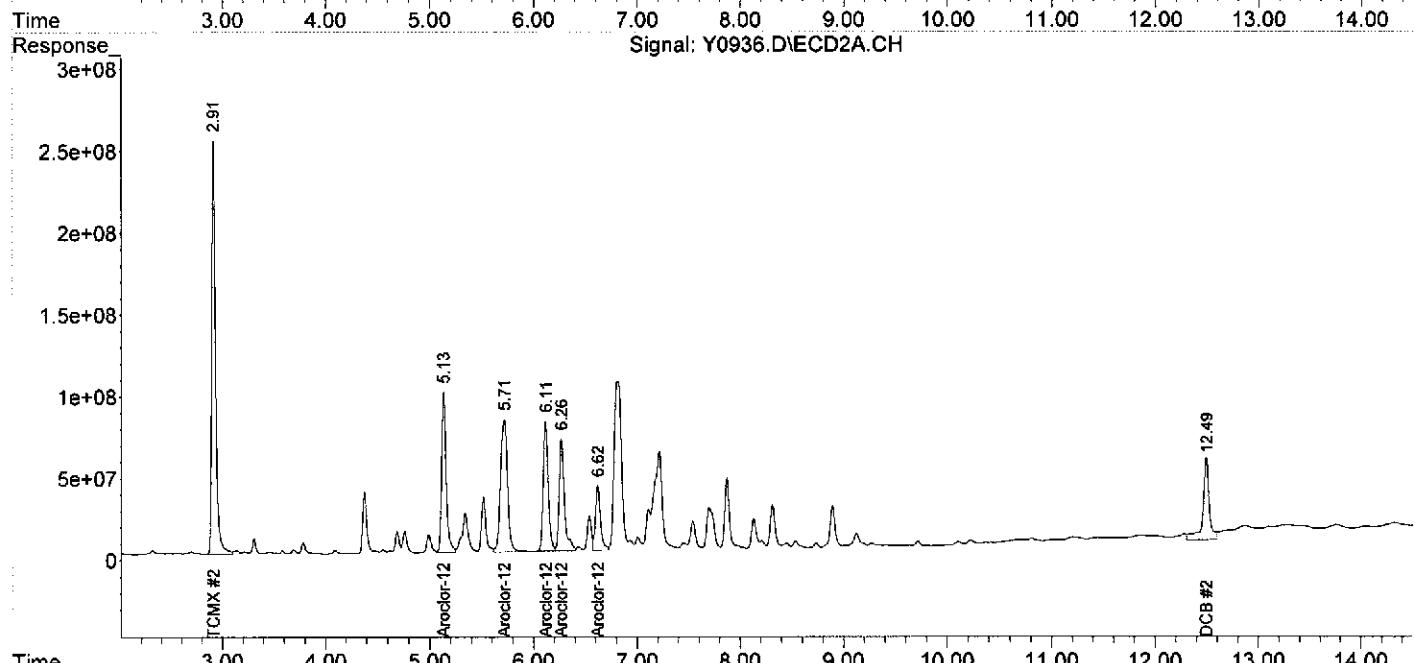
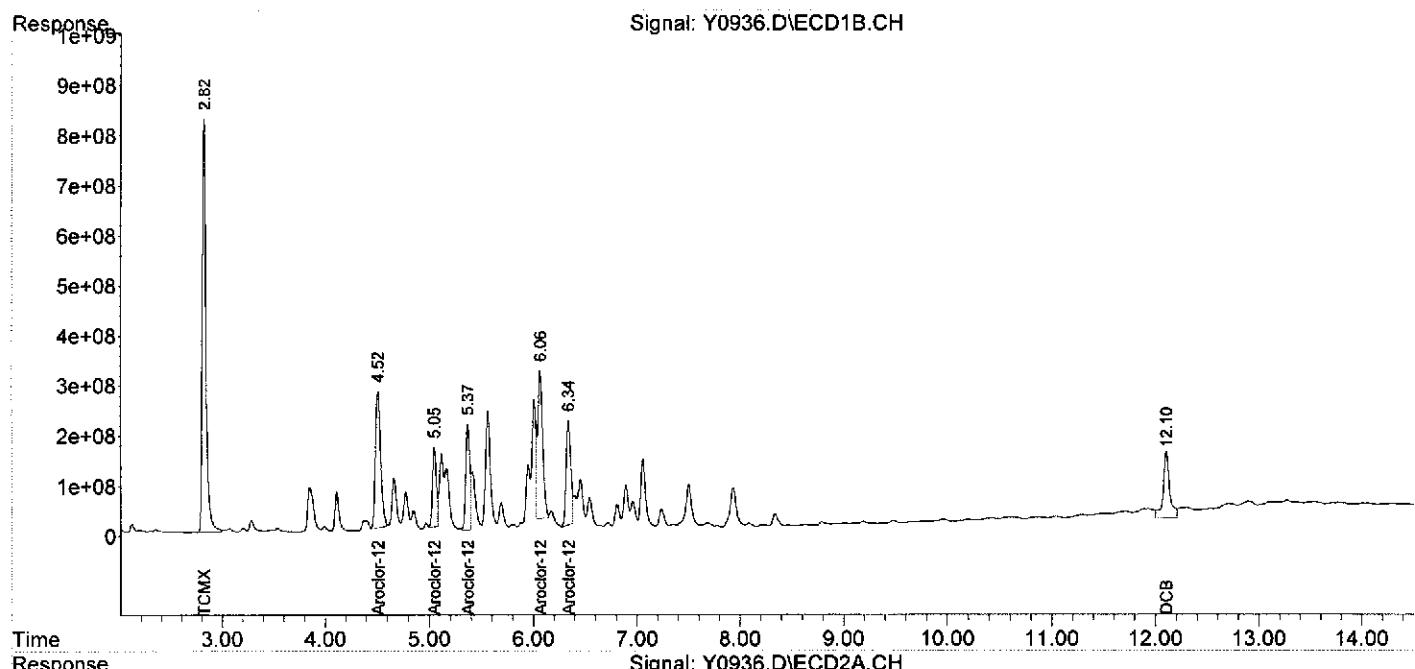
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-20-12\  
Data File : Y0936.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 21 Aug 2012 9:08  
Operator : YG  
Sample : P-17(4.0-6,08167-039,S,5.55g,21.7,08/14/12,4  
Misc : 120814-03,08/10/12,08/10/12,1  
ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 24 11:42:36 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
Quant Title :  
QLast Update : Tue Jul 31 12:56:15 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\08-20-12\  
 Data File : Y0906.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 21 Aug 2012 00:33  
 Operator : YG  
 Sample : FB-30,08167-040,A,1000ml,100,08/16/12,1  
 Misc : 120816-18,08/10/12,08/10/12,1  
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 23 09:28:01 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.91	19441.6E6	6044.6E6	204.497	172.938
Spiked Amount	200.000			Recovery	= 102.25%	86.47%
2) S DCB	12.10	12.49	3276.9E6	1348.3E6	159.011m	156.894m
Spiked Amount	200.000			Recovery	= 79.51%	78.45%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

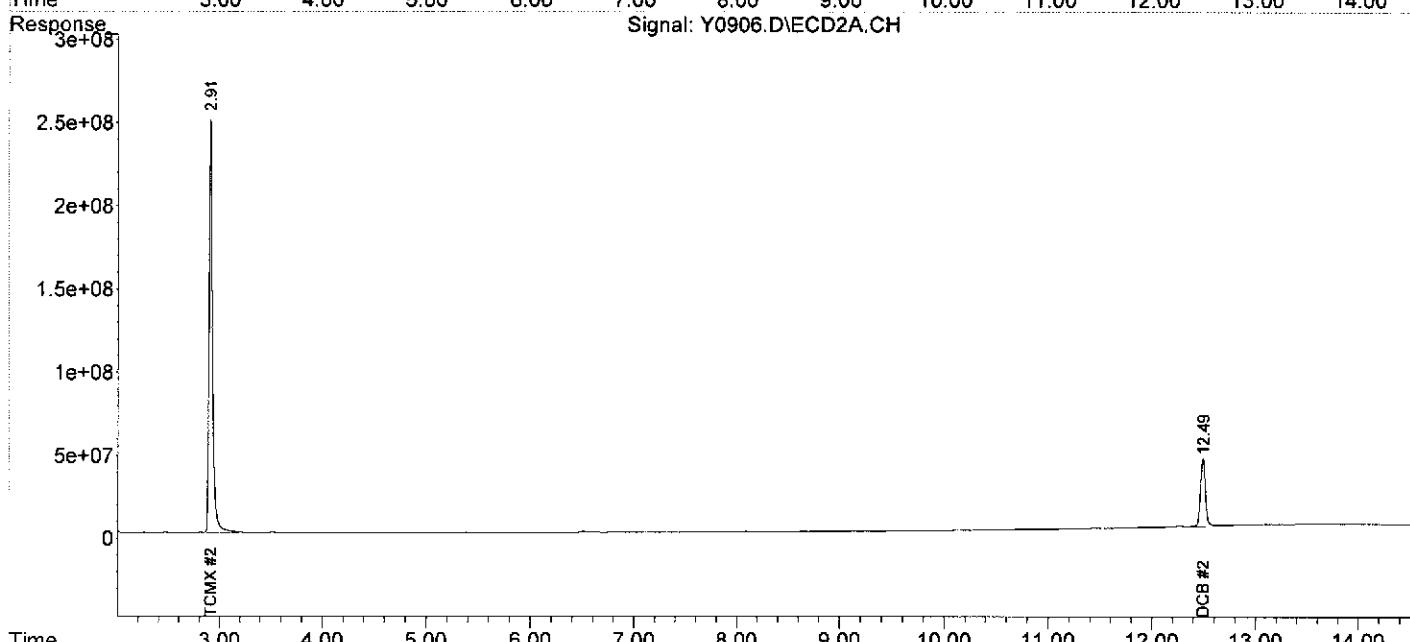
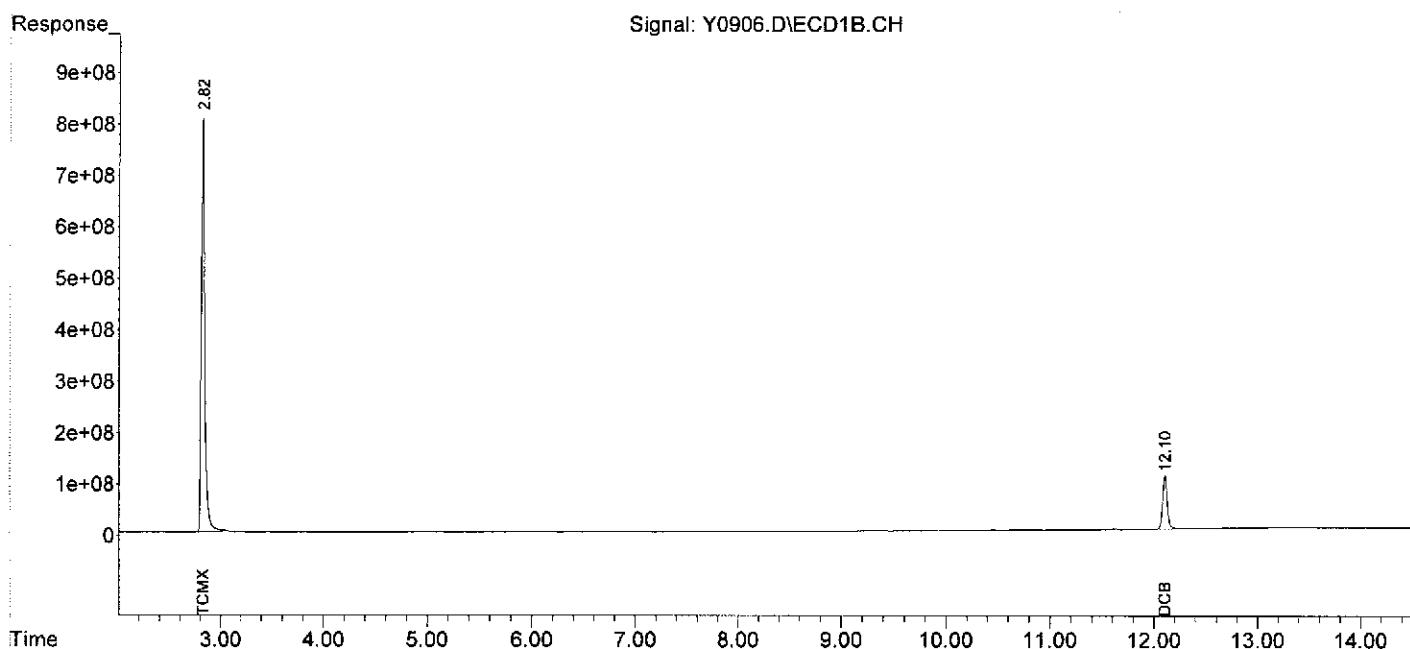
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-20-12\  
Data File : Y0906.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 21 Aug 2012 00:33  
Operator : YG  
Sample : FB-30,08167-040,A,1000ml,100,08/16/12,1  
Misc : 120816-18,08/10/12,08/10/12,1  
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 23 09:28:01 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
Quant Title :  
QLast Update : Tue Jul 31 12:56:15 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: BLKA120808-12

Client ID: PCB

Date Received: NA

Date Extracted: 08/08/2012

Date Analyzed: 08/14/2012

Data file: R2938.D

GC Column: DB-5/DB1701P

Sample wt/vol: 1000ml

Matrix-Units: Aqueous- $\mu$ g/L (ppb)

Dilution Factor: 1

% Moisture: 100

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.050	0.020
Aroclor-1221	ND		0.050	0.020
Aroclor-1232	ND		0.050	0.020
Aroclor-1242	ND		0.050	0.020
Aroclor-1248	ND		0.050	0.020
Aroclor-1254	ND		0.050	0.020
Aroclor-1260	ND		0.050	0.020
Aroclor-1262	ND		0.050	0.020
Aroclor-1268	ND		0.050	0.020
PCBs	ND		0.050	0.020

**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: BLKA120816-18

GC Column: DB-5/DB1701P

Client ID: PCB

Sample wt/vol: 1000ml

Date Received: NA

Matrix-Units: Aqueous- $\mu$ g/L (ppb)

Date Extracted: 08/16/2012

Dilution Factor: 1

Date Analyzed: 08/20/2012

% Moisture: 100

Data file: Y0900.D

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.050	0.020
Aroclor-1221	ND		0.050	0.020
Aroclor-1232	ND		0.050	0.020
Aroclor-1242	ND		0.050	0.020
Aroclor-1248	ND		0.050	0.020
Aroclor-1254	ND		0.050	0.020
Aroclor-1260	ND		0.050	0.020
Aroclor-1262	ND		0.050	0.020
Aroclor-1268	ND		0.050	0.020
PCBs	ND		0.050	0.020

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-20-12\  
 Data File : Y0900.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 20 Aug 2012 22:50  
 Operator : YG  
 Sample : PCB, BLKA120816-18,A,1000ml,0,08/16/12,1  
 Misc : NA,NA,NA,1  
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 23 09:38:25 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.91	29454.6E6	10996.1E6	309.818m	314.600
Spiked Amount	200.000			Recovery	= 154.91%	157.30%
2) S DCB	12.10	12.49	6005.7E6	2364.0E6	291.425m	275.091m
Spiked Amount	200.000			Recovery	= 145.71%	137.55%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

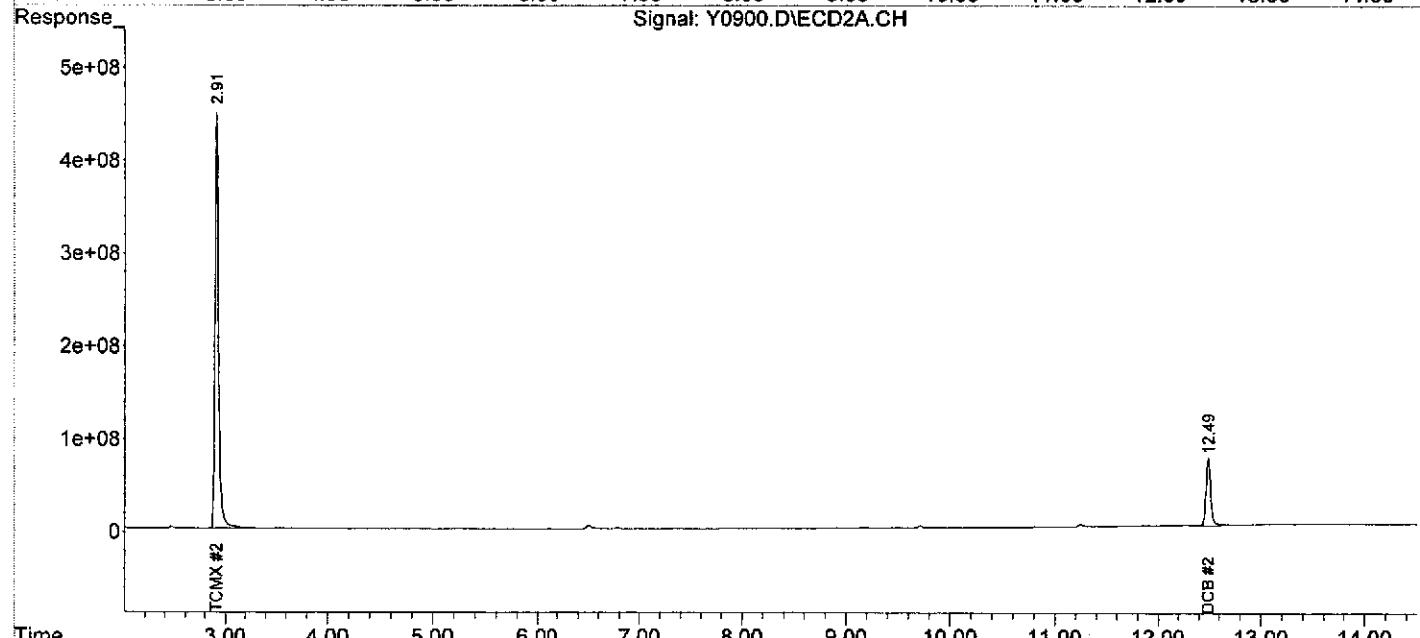
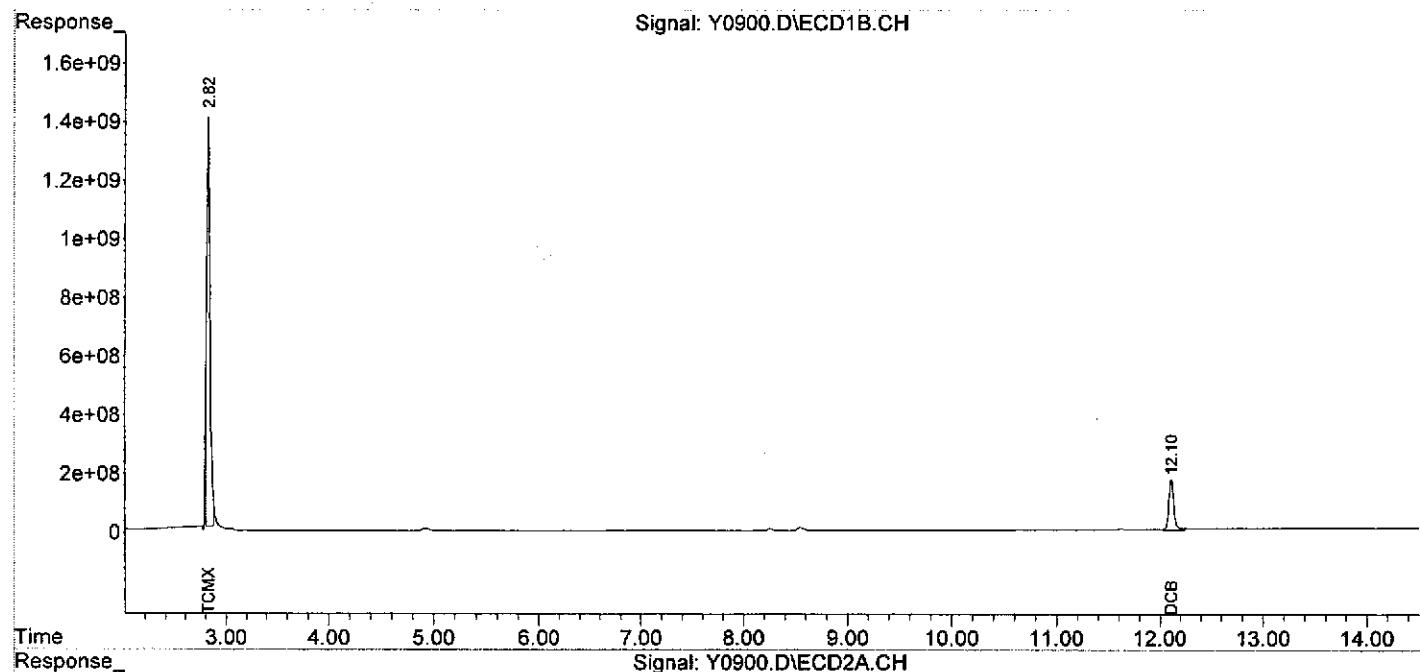
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-20-12\  
Data File : Y0900.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 20 Aug 2012 22:50  
Operator : YG  
Sample : PCB, BLKA120816-18,A,1000ml,0,08/16/12,1  
Misc : NA,NA,NA,1  
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 23 09:38:25 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
Quant Title :  
QLast Update : Tue Jul 31 12:56:15 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: BLKS120814-01

Client ID: PCB

Date Received: NA

Date Extracted: 08/14/2012

Date Analyzed: 08/19/2012

Data file: Y0838.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.00g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: NA

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.040	0.016
Aroclor-1221	ND		0.040	0.016
Aroclor-1232	ND		0.040	0.016
Aroclor-1242	ND		0.040	0.016
Aroclor-1248	ND		0.040	0.016
Aroclor-1254	ND		0.040	0.016
Aroclor-1260	ND		0.040	0.016
Aroclor-1262	ND		0.040	0.016
Aroclor-1268	ND		0.040	0.016
PCBs	ND		0.040	0.016

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-19-12\  
 Data File : Y0838.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 19 Aug 2012 20:15  
 Operator : YG  
 Sample : PCB,BLKS120814-01,S,5.00g,0,08/14/12,4  
 Misc : NA,NA,NA,1  
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 23 12:11:08 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.91	21993.2E6	6662.0E6	231.336	190.601
Spiked Amount	200.000			Recovery	= 115.67%	95.30%
2) S DCB	12.10	12.49	4856.2E6	2276.6E6	235.644	264.917
Spiked Amount	200.000			Recovery	= 117.82%	132.46%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

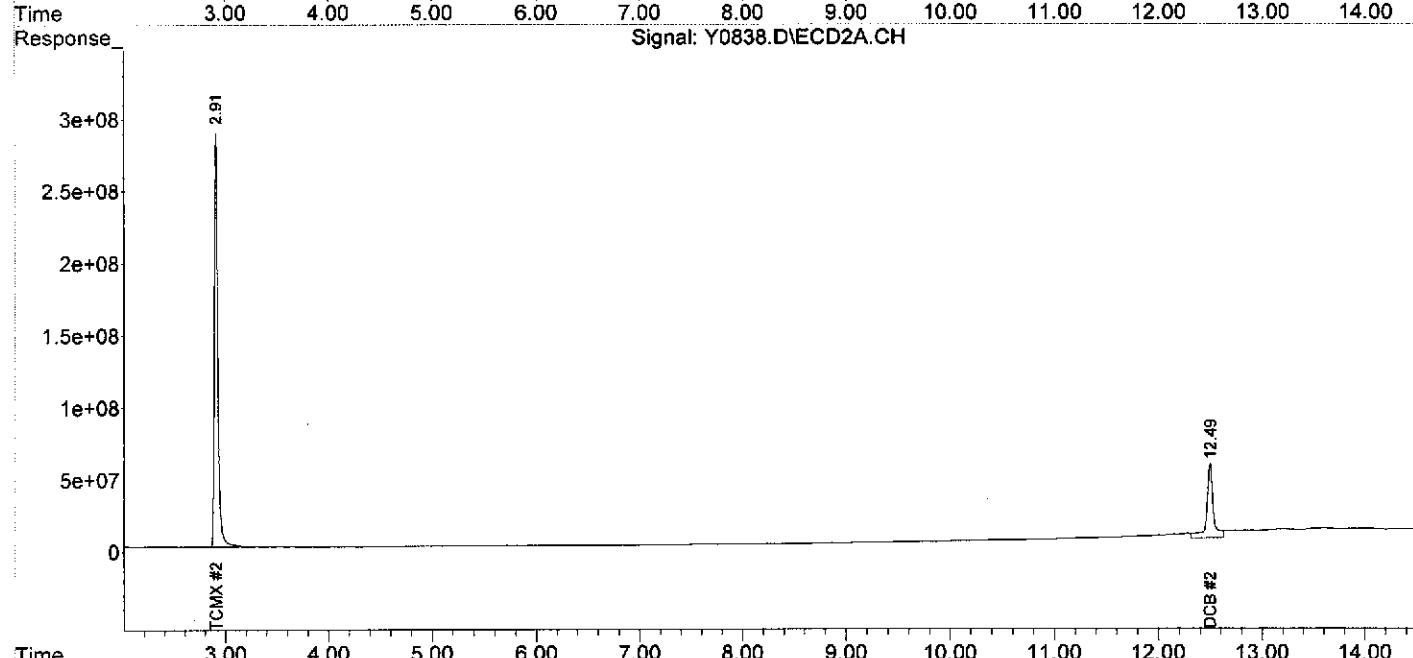
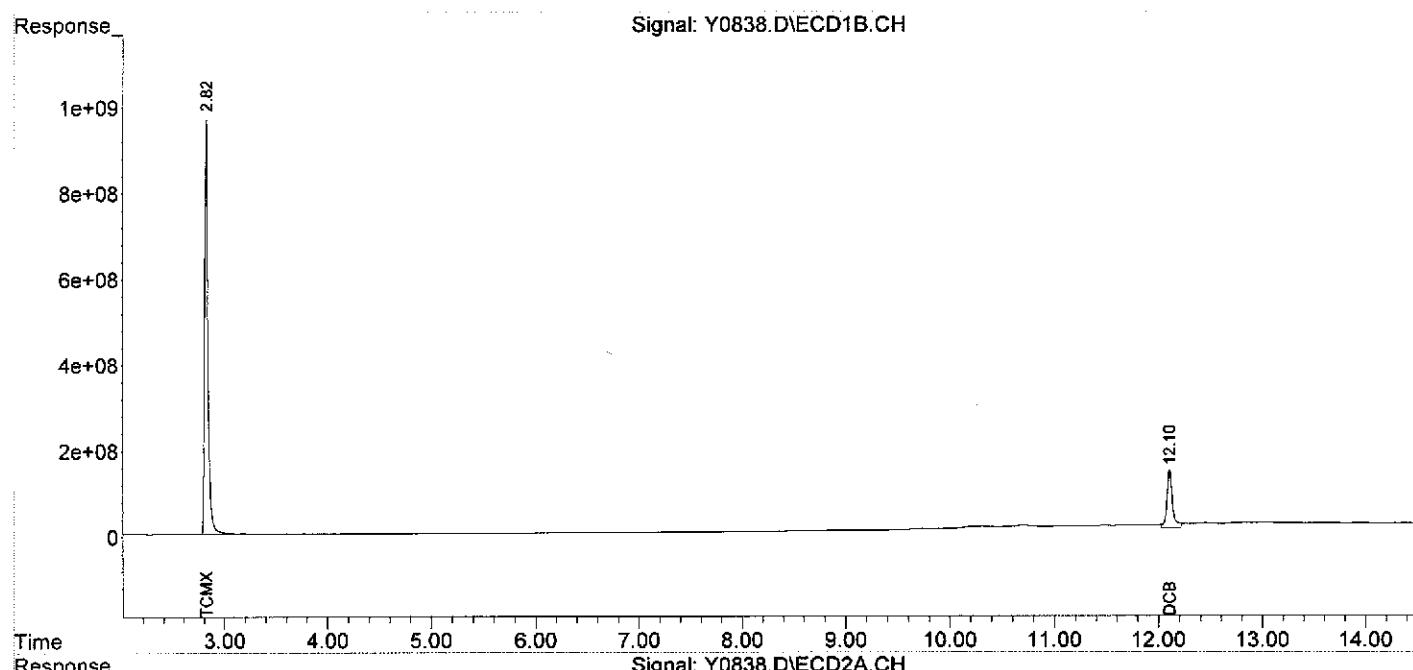
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-19-12\  
Data File : Y0838.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 19 Aug 2012 20:15  
Operator : YG  
Sample : PCB, BLKS120814-01,S,5.00g,0,08/14/12,4  
Misc : NA,NA,NA,1  
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 23 12:11:08 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
Quant Title :  
QLast Update : Tue Jul 31 12:56:15 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



**INTEGRATED ANALYTICAL LABORATORIES****PCB's**

Lab ID: BLKS120814-03

GC Column: DB-5/DB1701P

Client ID: PCB

Sample wt/vol: 5.00g

Date Received: NA

Matrix-Units: Soil-mg/Kg (ppm)

Date Extracted: 08/14/2012

Dilution Factor: 1

Date Analyzed: 08/21/2012

% Moisture: NA

Data file: Y0917.D

<b>Compound</b>	<b>Concentration</b>	<b>Q</b>	<b>RL</b>	<b>MDL</b>
Aroclor-1016	ND		0.040	0.016
Aroclor-1221	ND		0.040	0.016
Aroclor-1232	ND		0.040	0.016
Aroclor-1242	ND		0.040	0.016
Aroclor-1248	ND		0.040	0.016
Aroclor-1254	ND		0.040	0.016
Aroclor-1260	ND		0.040	0.016
Aroclor-1262	ND		0.040	0.016
Aroclor-1268	ND		0.040	0.016
PCBs	ND		0.040	0.016

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-20-12\  
 Data File : Y0917.D  
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
 Acq On : 21 Aug 2012 3:42  
 Operator : YG  
 Sample : PCB,BLKS120814-03,S,5.00g,0,08/14/12,4  
 Misc : NA,NA,NA,1  
 ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
 Integration File signal 2: EVENTS2.E  
 Quant Time: Aug 24 11:04:13 2012  
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
 Quant Title :  
 QLast Update : Tue Jul 31 12:56:15 2012  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.82	2.91	22127.5E6	6777.1E6	232.747	193.894
Spiked Amount	200.000			Recovery	= 116.37%	96.95%
2) S DCB	12.10	12.49	4328.4E6	1918.8E6	210.034	223.283
Spiked Amount	200.000			Recovery	= 105.02%	111.64%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

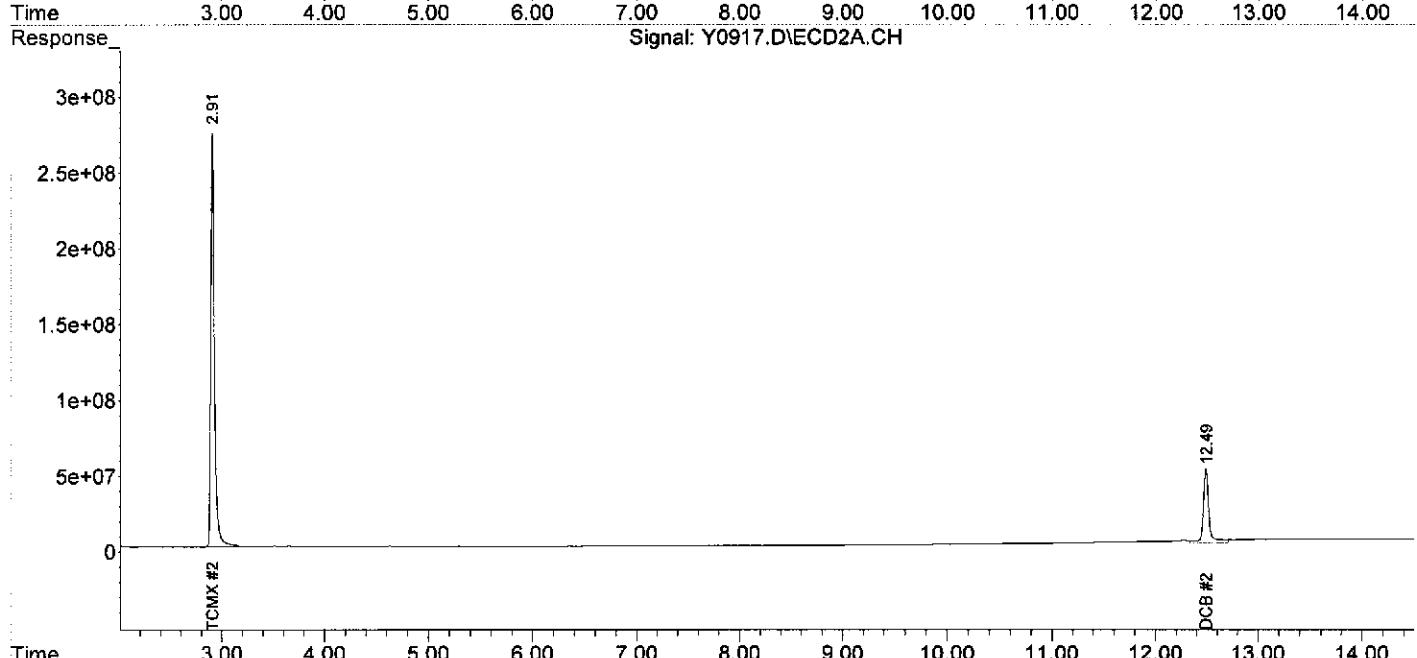
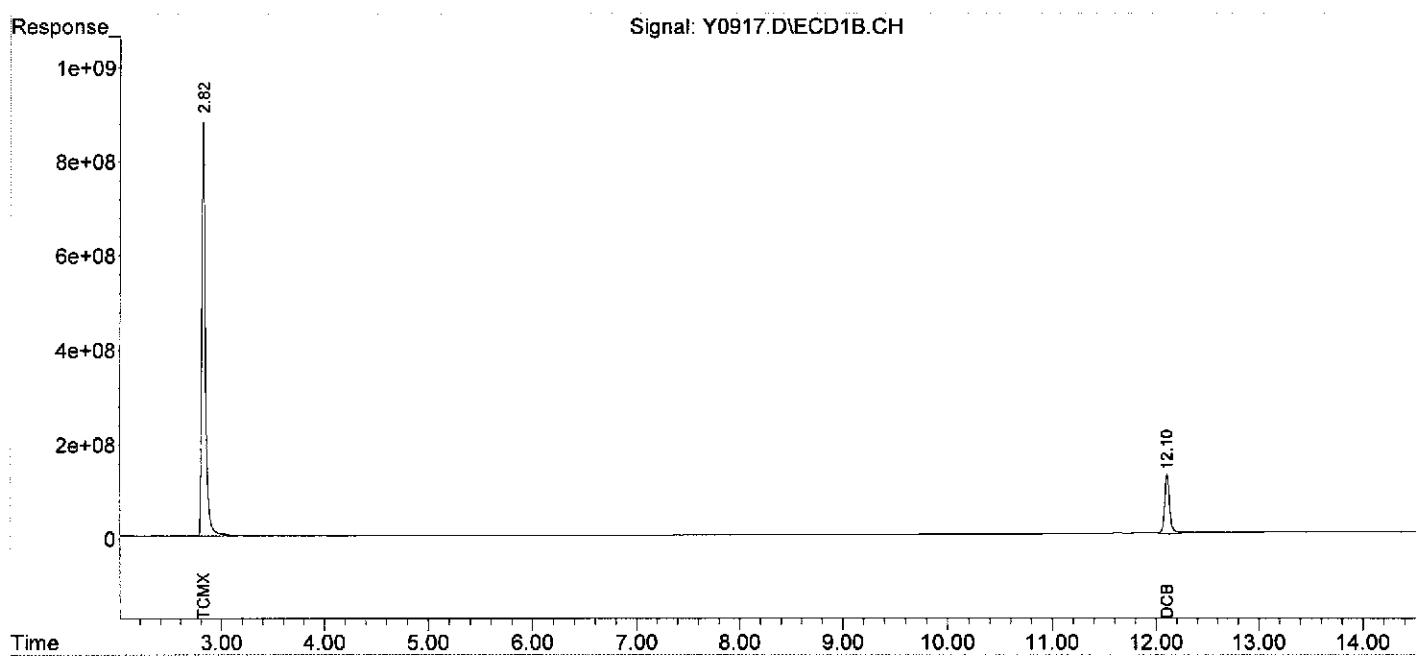
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

## Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\08-20-12\  
Data File : Y0917.D  
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH  
Acq On : 21 Aug 2012 3:42  
Operator : YG  
Sample : PCB, BLKS120814-03, S, 5.00g, 0, 08/14/12, 4  
Misc : NA,NA,NA,1  
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: EVENTS.E  
Integration File signal 2: EVENTS2.E  
Quant Time: Aug 24 11:04:13 2012  
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0727.M  
Quant Title :  
QLast Update : Tue Jul 31 12:56:15 2012  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



**SAMPLE TRACKING**

**RUSH TAT** (Same day turn-around if samples rec'd at lab > 5PM)  
Rush notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHIN 24 HRS.  
**APPROVAL - RUSH SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE**

*start until any authorities have been received.*

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२२३ प्राचीन विद्या

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Fax 873-330-3300  
Web [www.johnson.com](http://www.johnson.com)

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Turnaround Time starts the following day if samples rec'd at lab > 5PM  
Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT is NOT GUARANTEED WITHIN 24 HRS.  
**APPROVAL** - OTHER STRATEGIES WILL APPLY TO ARRIVED ACCOMMODATE

SAMPLE INFORMATION		Date (month)	Time	Method	Spec.	Test	Test Results
N-44	(7.0-7.5)	9/10/12	10:48	S	1	17	X
K-39	(5.0-5.5)		11:15	S	1	18	x
K-39	(6.0-6.5)		11:16	S	1	17	x
K-39	(7.0-7.5)		11:17	S	1	20	x
T-38	(5.0-5.5)		11:38	S	1	21	x
T-38	(6.0-6.5)		11:39	S	1	22	x
T-38	(7.0-7.5)		11:40	S	1	23	x
Y-33	(0-2.0)		11:57	S	1	24	x

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until every consideration have been received.

AL Reg: JUN 08 H-1168 - SSS - 35552G1 - SEE ENDNOTE - GENEALOGICAL COMMENTS)

CONTINUOUS DENSITY ESTIMATION

00/07

0175



**ENAL**

Report To:	James Chabot
Address:	ABM
Phone:	(973) 361-5230
Facility ID:	ABM
Facility Manager:	James Chabot
Invoice To:	ABM Corp.
Address:	1000 E. 1st Street, C
City:	Newark, NJ 07105
State:	NJ
Zip:	07105
Order Number:	ABM-00000000000000000000
Project Location (Client):	ABM NJ Facility
Batch Order #:	POA 22126
Comments:	

**SAMPLE INFORMATION**

Client ID	Sample ID	Date	Time	Method	Unit	Label
G-17(0-2.0)	8/10/03	5	1	33	x	
G-17(0-3.75)	2:04	5	1	37	x	
G-17(4.0-4.5)	2:05	5	1	35	x	
G-17(4.5-6.0)	2:06	5	1	36	x	
P-17 (0-2.0)	2:15	5	1	37	x	
P-17 (2.0-4.0)	2:16	5	1	38	x	
P-17 (4.0-6.0)	2:17	5	1	35	x	
FB-30	8/10/03	5	2	40	x	

Date Received: 8/10/03 • Date Analyzed: 8/10/03

Comments:

Sample Name:	ABM
Sample Type:	Soil
Sample Description:	Soil
Sample ID:	ABM
Sample Date:	8/10/03
Sample Time:	10:00 AM
Sample Method:	ABM
Sample Unit:	ABM
Sample Label:	ABM

Comments:

Sample Name:	ABM
Sample Type:	Soil
Sample Description:	Soil
Sample ID:	ABM
Sample Date:	8/10/03
Sample Time:	10:00 AM
Sample Method:	ABM
Sample Unit:	ABM
Sample Label:	ABM

Sample Name:	ABM
Sample Type:	Soil
Sample Description:	Soil
Sample ID:	ABM
Sample Date:	8/10/03
Sample Time:	10:00 AM
Sample Method:	ABM
Sample Unit:	ABM
Sample Label:	ABM

Sample Name:	ABM
Sample Type:	Soil
Sample Description:	Soil
Sample ID:	ABM
Sample Date:	8/10/03
Sample Time:	10:00 AM
Sample Method:	ABM
Sample Unit:	ABM
Sample Label:	ABM

Sample Name:	ABM
Sample Type:	Soil
Sample Description:	Soil
Sample ID:	ABM
Sample Date:	8/10/03
Sample Time:	10:00 AM
Sample Method:	ABM
Sample Unit:	ABM
Sample Label:	ABM

Sample Name:	ABM
Sample Type:	Soil
Sample Description:	Soil
Sample ID:	ABM
Sample Date:	8/10/03
Sample Time:	10:00 AM
Sample Method:	ABM
Sample Unit:	ABM
Sample Label:	ABM

TRANSMISSION: Please note the following are if samples rec'd at lab > 5PM	
Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHOUT APPROVAL. **RUSH SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE	
APPROVAL: _____	
NO CHARGE Day TAT	
NO RUSH - Day TAT	
PROSPECTUS Day TAT	
QUICKS Day TAT	
YACHTS Day TAT	
1st Day 72hr. min. detection time	
2nd Day 48hr. min. detection time	
3rd Day 36hr. min. detection time	
4th Day 24hr. min. detection time	
5th Day 18hr. min. detection time	
6th Day 12hr. min. detection time	
7th Day 6hr. min. detection time	
8th Day 3hr. min. detection time	
9th Day 1.5hr. min. detection time	
10th Day 0.5hr. min. detection time	
11th Day 0.25hr. min. detection time	
12th Day 0.125hr. min. detection time	
13th Day 0.0625hr. min. detection time	
14th Day 0.03125hr. min. detection time	
15th Day 0.015625hr. min. detection time	
16th Day 0.0078125hr. min. detection time	
17th Day 0.00390625hr. min. detection time	
18th Day 0.001953125hr. min. detection time	
19th Day 0.0009765625hr. min. detection time	
20th Day 0.00048828125hr. min. detection time	
21st Day 0.000244140625hr. min. detection time	
22nd Day 0.0001220703125hr. min. detection time	
23rd Day 0.00006103515625hr. min. detection time	
24th Day 0.000030517578125hr. min. detection time	
25th Day 0.0000152587890625hr. min. detection time	
26th Day 0.00000762939453125hr. min. detection time	
27th Day 0.000003814697265625hr. min. detection time	
28th Day 0.0000019073486328125hr. min. detection time	
29th Day 0.00000095367431640625hr. min. detection time	
30th Day 0.000000476837158203125hr. min. detection time	
31st Day 0.0000002384185791015625hr. min. detection time	
32nd Day 0.00000012020928955078125hr. min. detection time	
33rd Day 0.000000060104644775390625hr. min. detection time	
34th Day 0.0000000300523223876953125hr. min. detection time	
35th Day 0.00000001502616119384765625hr. min. detection time	
36th Day 0.000000007513080596923828125hr. min. detection time	
37th Day 0.0000000037565402984619140625hr. min. detection time	
38th Day 0.00000000187827014923095703125hr. min. detection time	
39th Day 0.000000000939135074615478515625hr. min. detection time	
40th Day 0.0000000004695675373077392578125hr. min. detection time	
41st Day 0.00000000023478376865386962890625hr. min. detection time	
42nd Day 0.000000000117391884326934814453125hr. min. detection time	
43rd Day 0.000000000058695942163467407225625hr. min. detection time	
44th Day 0.0000000000293479710817337036128125hr. min. detection time	
45th Day 0.000000000014673985540866851806453125hr. min. detection time	
46th Day 0.000000000007336992770433425903225625hr. min. detection time	
47th Day 0.0000000000036684963852167129516128125hr. min. detection time	
48th Day 0.000000000001834248192608356475806453125hr. min. detection time	
49th Day 0.000000000000917124096304178237928225625hr. min. detection time	
50th Day 0.0000000000004585620481520891189641128125hr. min. detection time	
51st Day 0.000000000000229281024076044559482056453125hr. min. detection time	
52nd Day 0.000000000000114640512038022279741028225625hr. min. detection time	
53rd Day 0.0000000000000573202560190111398705141128125hr. min. detection time	
54th Day 0.000000000000028660128009505569935257056453125hr. min. detection time	
55th Day 0.0000000000000143300640047527849677853028225625hr. min. detection time	
56th Day 0.00000000000000716503200237638924889275141128125hr. min. detection time	
57th Day 0.0000000000000035825160011881946244463757056453125hr. min. detection time	
58th Day 0.000000000000001791258000594097312223188528225625hr. min. detection time	
59th Day 0.00000000000000089562900029705465611149426453125hr. min. detection time	
60th Day 0.000000000000000447814500148527328055747328225625hr. min. detection time	
61st Day 0.0000000000000002239072500742636402778736441128125hr. min. detection time	
62nd Day 0.000000000000000111953625037131820138938822056453125hr. min. detection time	
63rd Day 0.000000000000000055976812518565910069494410028225625hr. min. detection time	
64th Day 0.00000000000000002798840625928295503474720001128125hr. min. detection time	
65th Day 0.000000000000000013994203124641477519378000056453125hr. min. detection time	
66th Day 0.000000000000000006997101562320738759689000028225625hr. min. detection time	
67th Day 0.000000000000000003498500781660369397945000141128125hr. min. detection time	
68th Day 0.00000000000000000174925039083018497397250007056453125hr. min. detection time	
69th Day 0.00000000000000000087462519541500924898125003528225625hr. min. detection time	
70th Day 0.0000000000000000004373125977075004949062500176453125hr. min. detection time	
71st Day 0.00000000000000000021865624885375024749312500088225625hr. min. detection time	
72nd Day 0.000000000000000000109328124426875123746875000441128125hr. min. detection time	
73rd Day 0.000000000000000000054664062421343756187500022056453125hr. min. detection time	
74th Day 0.00000000000000000002733203121067187530937500011028225625hr. min. detection time	
75th Day 0.0000000000000000000136660156053359375153125000551128125hr. min. detection time	
76th Day 0.00000000000000000000683300780276718750765625002756453125hr. min. detection time	
77th Day 0.0000000000000000000034165039013835937538125001378225625hr. min. detection time	
78th Day 0.00000000000000000000170825195069179375190625006891128125hr. min. detection time	
79th Day 0.0000000000000000000008541259750350893759531250034453125hr. min. detection time	
80th Day 0.000000000000000000000427062987517544687547656250017225625hr. min. detection time	
81st Day 0.00000000000000000000021353149375877234375937500861128125hr. min. detection time	
82nd Day 0.00000000000000000000010676574687543687547656250043056453125hr. min. detection time	
83rd Day 0.0000000000000000000000533828734375218437593750021528225625hr. min. detection time	
84th Day 0.0000000000000000000000266914367187510923754765625001078225625hr. min. detection time	
85th Day 0.0000000000000000000000133457185937505468752365625005391128125hr. min. detection time	
86th Day 0.000000000000000000000006672859293750273437547656250026956453125hr. min. detection time	
87th Day 0.000000000000000000000003336429646875013687523656250013478225625hr. min. detection time	
88th Day 0.00000000000000000000000166821482343750068752365625006738225625hr. min. detection time	
89th Day 0.00000000000000000000000083340741171875003437523656250034191128125hr. min. detection time	
90th Day 0.0000000000000000000000004167037058562500171875236562500170956453125hr. min. detection time	
91st Day 0.0000000000000000000000002083518529281250008587523656250085478225625hr. min. detection time	
92nd Day 0.00000000000000000000000010417592646437500042937523656250042738225625hr. min. detection time	
93rd Day 0.00000000000000000000000005208796323218750002146875236562500213956453125hr. min. detection time	
94th Day 0.0000000000000000000000000260439816160937500010734375236562500106978225625hr. min. detection time	
95th Day 0.00000000000000000000000001302199080804687500053675236562500534878225625hr. min. detection time	
96th Day 0.0000000000000000000000000065109954040234375000268375236562500267438225625hr. min. detection time	
97th Day 0.000000000000000000000000003255497702011718750001341875236562500133718225625hr. min. detection time	
98th Day 0.000000000000000000000000001627748851005856250000670937523656250066856453125hr. min. detection time	
99th Day 0.00000000000000000000000000081387442550292812500003354687523656250033428225625hr. min. detection time	
100th Day 0.0000000000000000000000000004069372127514643750000167734375236562500167348225625hr. min. detection time	
101st Day 0.0000000000000000000000000002034686063757318750000083867523656250083428225625hr. min. detection time	
102nd Day 0.0000000000000000000000000001017343031875368750000041937523656250041718225625hr. min. detection time	
103rd Day 0.0000000000000000000000000000508671515937518437500002097375236562500209348225625hr. min. detection time	
104th Day 0.00000000000000000000000000002543357579687509375000010486875236562500104678225625hr. min. detection time	
105th Day 0.00000000000000000000000000001271678789843754687500005243437523656250052238225625hr. min. detection time	
106th Day 0.000000000000000000000000000006358393949218752368750002621875236562500261078225625hr. min. detection time	
107th Day 0.0000000000000000000000000000031791969746093754687500013109375236562500130538225625hr. min. detection time	
108th Day 0.0000000000000000000000000000015895984873046875468750006554687523656250065268225625hr. min. detection time	
109th Day 0.00000000000000000000000000000079479924365234375468750003277375236562500326348225625hr. min. detection time	
110th Day 0.00000000000000000000000000000039739962182618754687500016386875236562500163178225625hr. min. detection time	
111th Day 0.000000000000000000000000000000198699810913093754687500081937523656250081838225625hr. min. detection time	
112th Day 0.000000000000000000000000000000099349905455546875468750004096875236562500409178225625hr. min. detection time	
113th Day 0.00000000000000000000000000000004967495272777318754687500020486875236562500204538225625hr. min. detection time	
114th Day 0.000000000000000000000000000000024837476363886875468750001024375236562500102218225625hr. min. detection time	
115th Day 0.0000000000000000000000000000000124187381819434375468750005121875236562500511078225625hr. min. detection time	
116th Day 0.000000000000000000000000000000006209369090971718754687500025609375236562500255538225625hr. min. detection time	
117th Day 0.0000000000000000000000000000000031046845454854687546875000128046875236562500127738225625hr. min. detection time	
118th Day 0.00000000000000000000000000000000155234227274281875468750006402375236562500638178225625hr. min. detection time</	

# PROJECT INFORMATION



E 1 2 - 0 8 1 6 7

Case No. **E12-08167**

Project **ARSYNCO**

<b>Customer</b>	<b>JMC Environmental Consultants</b>		<b>P.O. #</b>	<b>22126</b>
<b>Contact</b>	Jim Clabby		<b>Received</b>	8/10/2012 18:00
<b>EMail</b>	jclabby@jmceenvironmental.com; <input checked="" type="checkbox"/> EMail EDDs		<b>Verbal Due</b>	8/27/2012
<b>Phone</b>	(732) 295-1444		<b>Report Due</b>	9/4/2012
<b>Report To</b>		<b>Bill To</b>		
2109 Bridge Avenue		Aceto Corp.		
Building B		4 Tri Harbor Court		
Point Pleasant, NJ 08742		Port Washington, NY 11050		
Attn: Jim Clabby		Attn: Attn: Mr. Ed Kelly		
<b>Report Format</b> <b>Reduced</b>				
<b>Additional Info</b> <input type="checkbox"/> State Form <input type="checkbox"/> Field Sampling <input type="checkbox"/> Conditional VOA				

<b>Lab ID</b>	<b>Client Sample ID</b>	<b>Depth Top / Bottom</b>	<b>Sampling Time</b>	<b>Matrix</b>	<b>Unit</b>	<b># of Containers</b>
08167-001	Y-40(5.0-5.5)	5 / 5.5	8/10/2012@08:50	Soil	mg/Kg	1
08167-002	Y-40(5.5-6.0)	5.5 / 6	8/10/2012@08:51	Soil	mg/Kg	1
08167-003	Y-40(6.0-6.5)	6 / 6.5	8/10/2012@08:52	Soil	mg/Kg	1
08167-004	Y-40(7.0-7.5)	7 / 7.5	8/10/2012@08:53	Soil	mg/Kg	1
08167-005	Z-41(5.5-6.0)	5.5 / 6	8/10/2012@10:02	Soil	mg/Kg	1
08167-006	Z-41(6.0-6.5)	6 / 6.5	8/10/2012@10:03	Soil	mg/Kg	1
08167-007	Z-41(7.0-7.5)	7 / 7.5	8/10/2012@10:04	Soil	mg/Kg	1
08167-008	Z-40(5.5-6.0)	5.5 / 6	8/10/2012@09:16	Soil	mg/Kg	1
08167-009	Z-40(6.0-6.5)	6 / 6.5	8/10/2012@09:17	Soil	mg/Kg	1
08167-010	Z-40(7.0-7.5)	7 / 7.5	8/10/2012@09:18	Soil	mg/Kg	1
08167-011	Z-38(5.5-6.0)	5.5 / 6	8/10/2012@09:38	Soil	mg/Kg	1
08167-012	Z-38(6.0-6.5)	6 / 6.5	8/10/2012@09:39	Soil	mg/Kg	1
08167-013	Z-38(7.0-7.5)	7 / 7.5	8/10/2012@09:40	Soil	mg/Kg	1
08167-014	N-44(5.0-5.5)	5 / 5.5	8/10/2012@10:45	Soil	mg/Kg	1
08167-015	N-44(5.5-6.0)	5.5 / 6	8/10/2012@10:46	Soil	mg/Kg	1
08167-016	N-44(6.0-6.5)	6 / 6.5	8/10/2012@10:47	Soil	mg/Kg	1
08167-017	N-44(7.0-7.5)	7 / 7.5	8/10/2012@10:48	Soil	mg/Kg	1
08167-018	K-39(5.0-5.5)	5 / 5.5	8/10/2012@11:15	Soil	mg/Kg	1
08167-019	K-39(6.0-6.5)	6 / 6.5	8/10/2012@11:16	Soil	mg/Kg	1
08167-020	K-39(7.0-7.5)	7 / 7.5	8/10/2012@11:17	Soil	mg/Kg	1
08167-021	I-38(5.0-5.5)	5 / 5.5	8/10/2012@11:38	Soil	mg/Kg	1
08167-022	I-38(6.0-6.5)	6 / 6.5	8/10/2012@11:39	Soil	mg/Kg	1
08167-023	I-38(7.0-7.5)	7 / 7.5	8/10/2012@11:40	Soil	mg/Kg	1
08167-024	Y-33(0.2-0)	0 / 2	8/10/2012@12:57	Soil	mg/Kg	1
08167-025	Y-33(2.0-2.5)	2 / 2.5	8/10/2012@12:58	Soil	mg/Kg	1
08167-026	Y-33(2.5-3.0)	2.5 / 3	8/10/2012@12:59	Soil	mg/Kg	1
08167-027	Y-33(3.25-4.0)	3.25 / 4	8/10/2012@13:00	Soil	mg/Kg	1
08167-028	Y-33(4.25-6.0)	4.25 / 6	8/10/2012@13:01	Soil	mg/Kg	1

# PROJECT INFORMATION



Case No. **E12-08167**

Project **ARSYNCO**

<u>Lab ID</u>	<u>Client Sample ID</u>	<u>Depth Top / Bottom</u>	<u>Sampling Time</u>	<u>Matrix</u>	<u>Unit</u>	<u># of Containers</u>
08167-029	R-17(0-2.0)	0 / 2	8/10/2012@13:45	Soil	mg/Kg	1
08167-030	R-17(2.0-4.0)	2 / 4	8/10/2012@13:46	Soil	mg/Kg	1
08167-031	R-17(4.0-5.0)	4 / 5	8/10/2012@13:47	Soil	mg/Kg	1
08167-032	R-17(5.0-6.0)	5 / 6	8/10/2012@13:48	Soil	mg/Kg	1
08167-033	Q-17(0-2.0)	0 / 2	8/10/2012@14:03	Soil	mg/Kg	1
08167-034	Q-17(2.0-3.75)	2 / 3.75	8/10/2012@14:04	Soil	mg/Kg	1
08167-035	Q-17(4.0-4.5)	4 / 4.5	8/10/2012@14:05	Soil	mg/Kg	1
08167-036	Q-17(4.5-6.0)	4.5 / 6	8/10/2012@14:06	Soil	mg/Kg	1
08167-037	P-17(0-2.0)	0 / 2	8/10/2012@14:35	Soil	mg/Kg	1
08167-038	P-17(2.0-4.0)	2 / 4	8/10/2012@14:36	Soil	mg/Kg	1
08167-039	P-17(4.0-6.0)	4 / 6	8/10/2012@14:37	Soil	mg/Kg	1
08167-040	FB-30	n/a	8/10/2012@14:40	Aqueous	mg/L	2

<u>Sample #</u>	<u>Tests</u>	<u>Status</u>	<u>QA Method</u>
001	TCL PCB	Complete	8082
002	TCL PCB	Complete	8082
003	TCL PCB	Complete	8082
004	Extract_Hold(PCB)	Complete	8082
"	TCL PCB	Cancel	8082
005	TCL PCB	Complete	8082
006	TCL PCB	Complete	8082
007	Extract_Hold(PCB)	Complete	8082
"	TCL PCB	Cancel	8082
008	TCL PCB	Complete	8082
009	TCL PCB	Complete	8082
010	Extract_Hold(PCB)	Complete	8082
"	TCL PCB	Cancel	8082
011	TCL PCB	Complete	8082
012	TCL PCB	Complete	8082
013	Extract_Hold(PCB)	Complete	8082
"	TCL PCB	Cancel	8082
014	TCL PCB	Complete	8082
015	TCL PCB	Complete	8082
016	TCL PCB	Complete	8082
017	Extract_Hold(PCB)	Complete	8082
"	TCL PCB	Cancel	8082
018	TCL PCB	Complete	8082
019	TCL PCB	Complete	8082
020	Extract_Hold(PCB)	Complete	8082
"	TCL PCB	Cancel	8082
021	TCL PCB	Complete	8082
022	TCL PCB	Complete	8082
023	Extract_Hold(PCB)	Complete	8082
"	TCL PCB	Cancel	8082
024	TCL PCB	Complete	8082
025	TCL PCB	Complete	8082
026	TCL PCB	Complete	8082

# PROJECT INFORMATION

Case No. **E12-08167**Project **ARSYNCO**

<u>Sample #</u>	<u>Tests</u>	<u>Status</u>	<u>QA Method</u>
027	TCL PCB	Complete	8082
028	TCL PCB	Complete	8082
029	TCL PCB	Complete	8082
030	TCL PCB	Complete	8082
031	TCL PCB	Complete	8082
032	TCL PCB	Complete	8082
033	TCL PCB	Complete	8082
034	TCL PCB	Complete	8082
035	TCL PCB	Complete	8082
036	TCL PCB	Complete	8082
037	TCL PCB	Complete	8082
038	TCL PCB	Complete	8082
039	TCL PCB	Complete	8082
040	TCL PCB	Complete	8082

08/28/2012 12:25 by Brian - REV 1

As per Jim Clabby, cancel TCL PCB for sample # 4,7,10,13,17,20,23

## INTEGRATED ANALYTICAL LABORATORIES, LLC

## SAMPLE RECEIPT VERIFICATION

CASE NO: E 12

08167

CLIENT:

TIME

COOLER TEMPERATURE: 2° - 6°C: 

( See Chain of Custody)

Comments

COC: **COMPLETE** / INCOMPLETE

KEY

- |   |          |
|---|----------|
| ✓ | = YES/NA |
| ✗ | = NO     |

- ✓ Bottles Intact
- ✓ no-Missing Bottles
- ✓ no-Extra Bottles

- ✓ Sufficient Sample Volume
- ✓ no-headspace/bubbles in VOs
- ✓ Labels intact/correct
- ✓ pH Check (exclude VOs)<sup>1</sup>
- ✓ Correct bottles/preservative
- ✓ Sufficient Holding/Prep Time<sup>1</sup>

- Sample to be Subcontracted
- ✓ Chain of Custody is Clear

<sup>1</sup> All samples with "Analyze Immediately" holding times will be analyzed by this laboratory past the holding time. This includes but is not limited to the following tests: pH, Temperature, Free Residual Chlorine, Total Residual Chlorine, Dissolved Oxygen, Sulfite.

ADDITIONAL COMMENTS: \_\_\_\_\_

SAMPLE(S) VERIFIED BY: INITIAL *bj*DATE *8/10/12*CORRECTIVE ACTION REQUIRED: YES  (SEE BELOW) NO If COC is NOT clear, **STOP** until you get client to authorize/clarify work.CLIENT NOTIFIED: YES  Date/ Time: \_\_\_\_\_ NO 

PROJECT CONTACT: \_\_\_\_\_

SUBCONTRACTED LAB: \_\_\_\_\_

DATE SHIPPED: \_\_\_\_\_

ADDITIONAL COMMENTS: \_\_\_\_\_

VERIFIED/TAKEN BY: INITIAL *VG*INITIAL *VG*

DATE

*8/14/12-08167*

0181

# Laboratory Custody Chronicle

**IAL Case No.**

**E12-08167**

**Client** JMC Environmental Consultants

**Project** ARSYNCO

**Received On** 8/10/2012@18:00

**Department: GC**

TCL PCB

		<b>Prep. Date</b>	<b>Analyst</b>	<b>Analysis Date</b>	<b>Analyst</b>
	08167-001	Soil	Archimede	8/19/12	Julia
"	-002	"	Archimede	8/19/12	Julia
"	-003	"	Archimede	8/19/12	Julia
"	-005	"	Archimede	8/19/12	Julia
"	-006	"	Archimede	8/19/12	Julia
"	-008	"	Archimede	8/19/12	Julia
"	-009	"	Archimede	8/19/12	Julia
"	-011	"	Archimede	8/19/12	Julia
"	-012	"	Archimede	8/19/12	Julia
"	-014	"	Archimede	8/20/12	Julia
"	-015	"	Archimede	8/20/12	Julia
"	-016	"	Archimede	8/20/12	Julia
"	-018	"	Archimede	8/20/12	Julia
"	-019	"	Archimede	8/20/12	Julia
"	-021	"	Archimede	8/21/12	Julia
"	-022	"	Archimede	8/21/12	Julia
"	-024	"	Archimede	8/21/12	Julia
"	-025	"	Archimede	8/21/12	Julia
"	-026	"	Archimede	8/21/12	Julia
"	-027	"	Archimede	8/21/12	Julia
"	-028	"	Archimede	8/21/12	Julia
"	-029	"	Archimede	8/21/12	Julia
"	-030	"	Archimede	8/21/12	Julia
"	-031	"	Archimede	8/21/12	Julia
"	-032	"	Archimede	8/21/12	Julia
"	-033	"	Archimede	8/21/12	Julia
"	-034	"	Archimede	8/22/12	Julia
"	-035	"	Archimede	8/21/12	Julia
"	-036	"	Archimede	8/21/12	Julia
"	-037	"	Archimede	8/21/12	Julia
"	-038	"	Archimede	8/22/12	Julia
"	-039	"	Archimede	8/21/12	Julia
"	-040	Aqueous	Archimede	8/21/12	Julia
		8/16/12			